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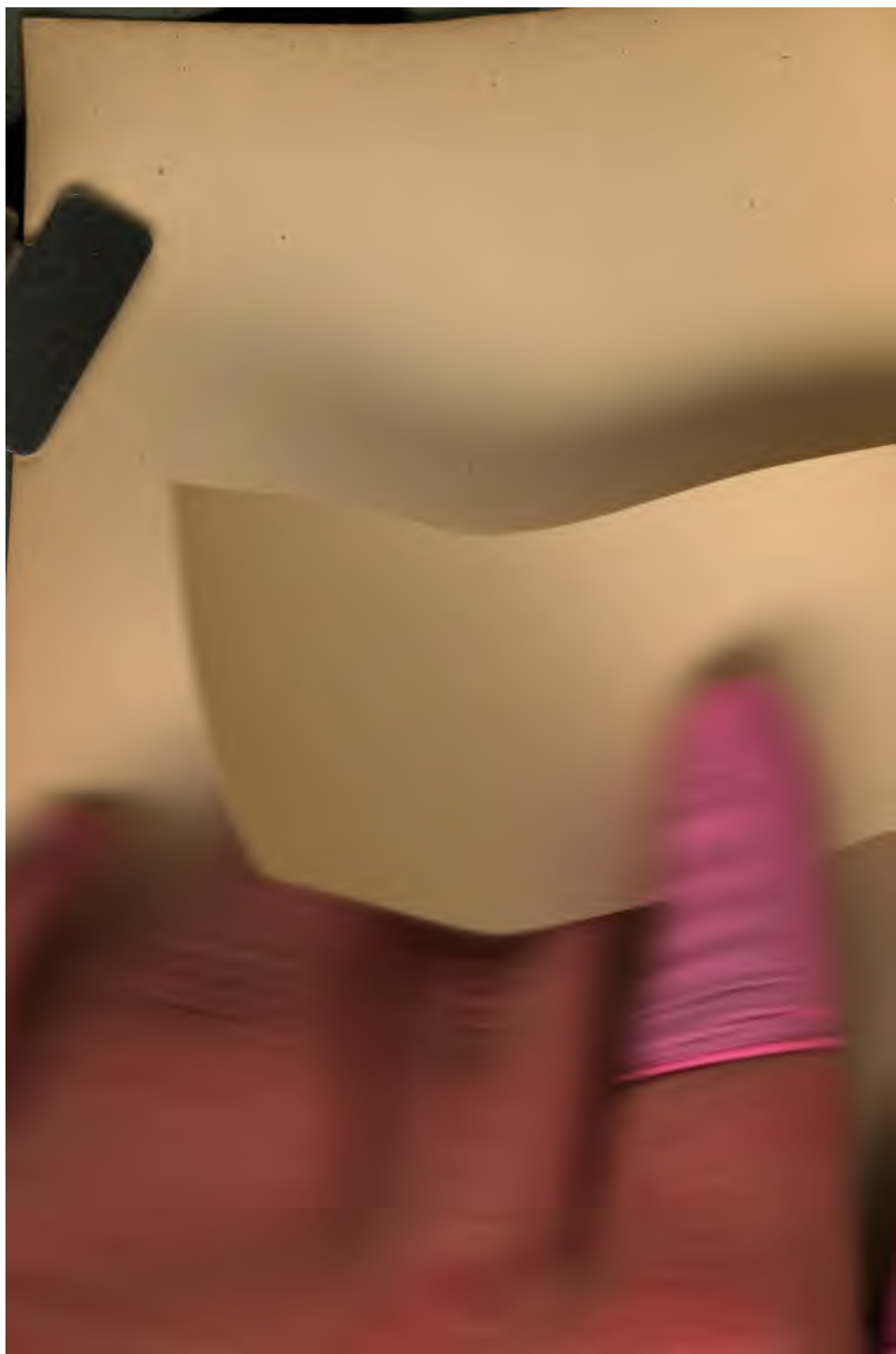


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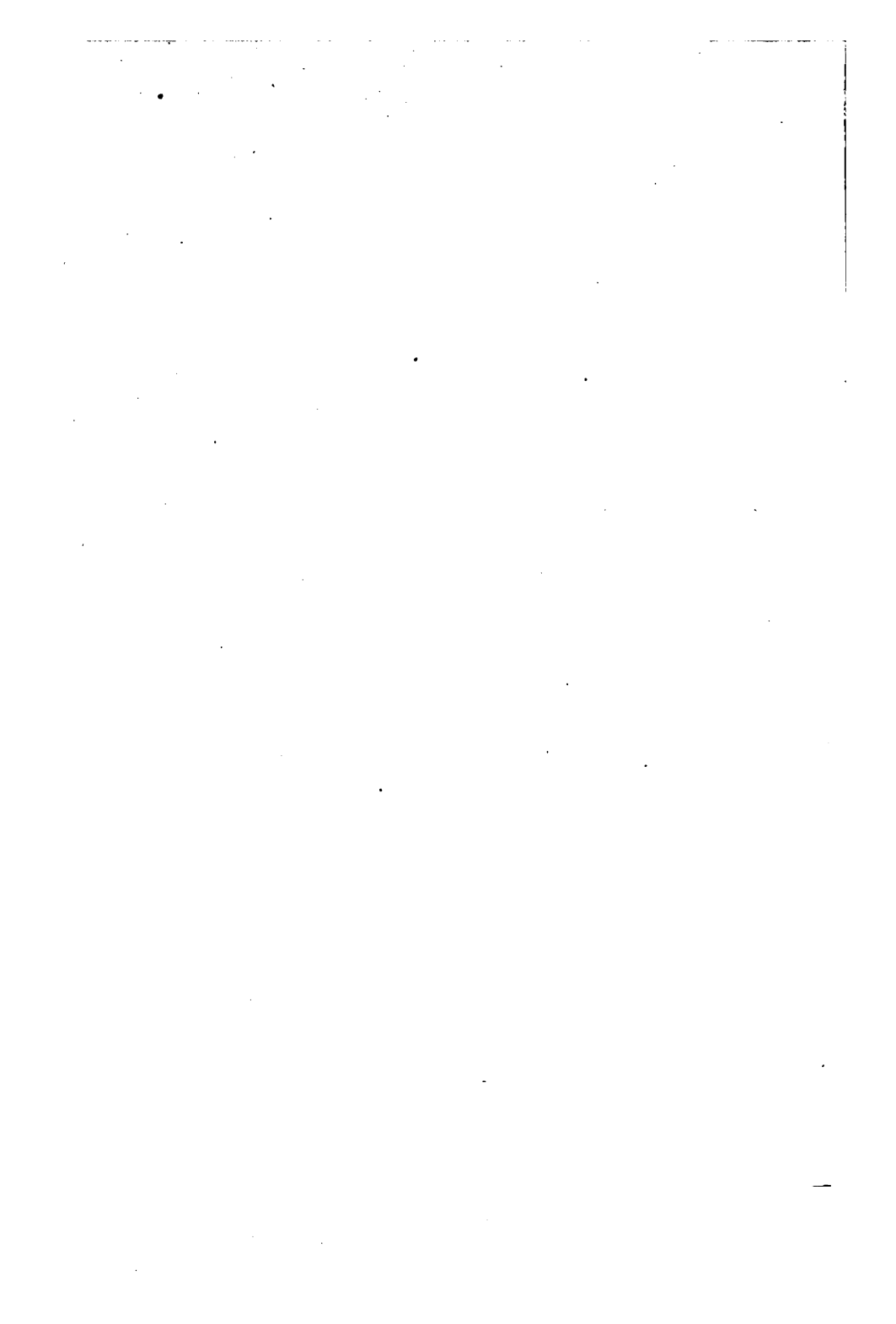
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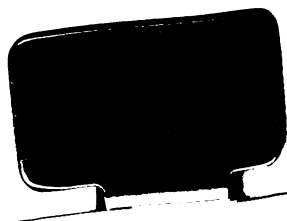
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IMPERIAL UNIVERSITY OF JAPAN.

(Teikoku Daigaku.)

THE
CALENDAR

FOR THE YEAR

XXV-XXVI MEIJI.

(1892-93.)

TŌKYŌ:

PUBLISHED BY THE UNIVERSITY.

SOLD BY Z. P. MARUYA & CO.

MEIJI XXVI.

(1893.)

TABLE OF CONTENTS.

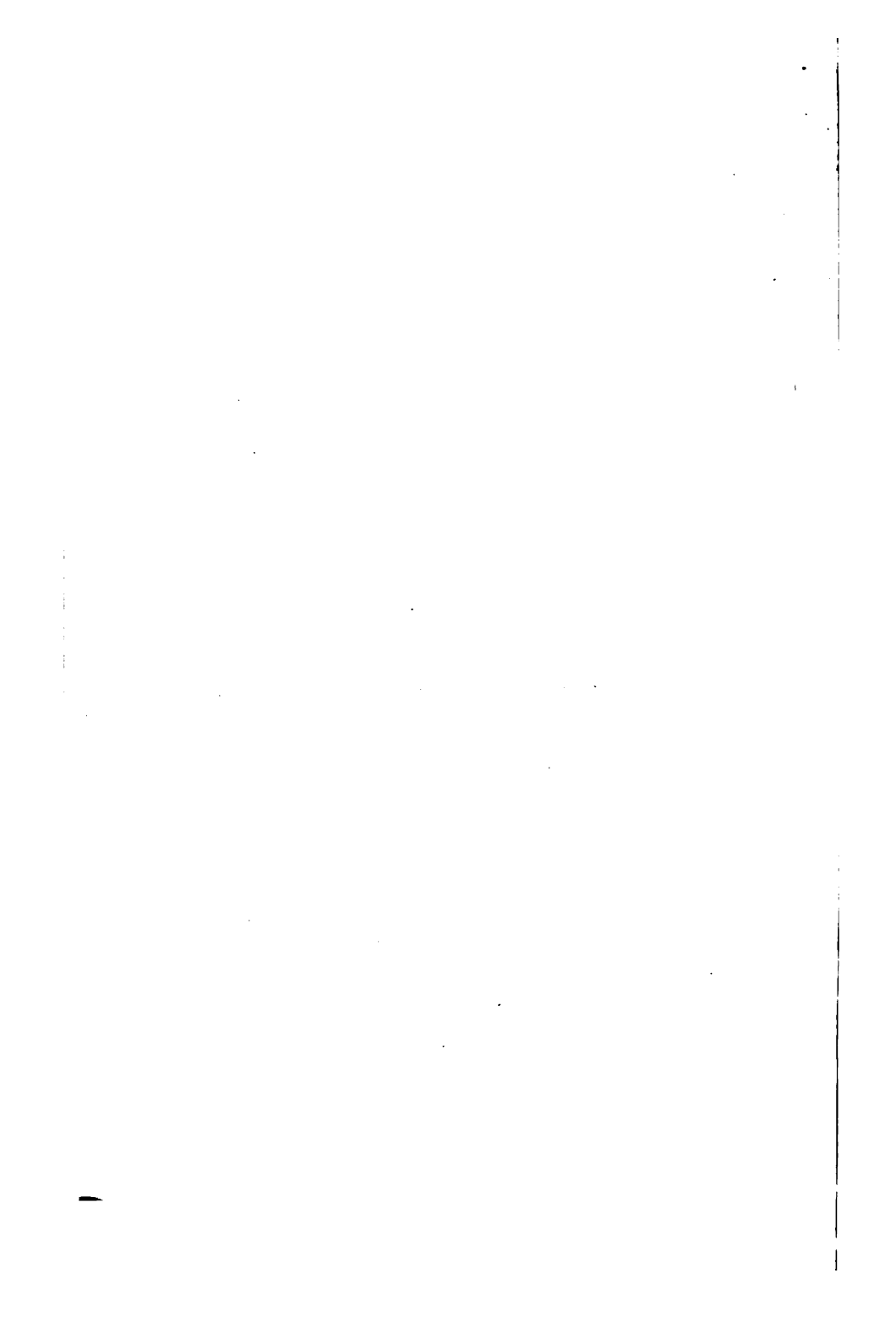
	PAGE.
I. Calendar	2
II. Historical Summary.....	4
III. Imperial Ordinance for the founding of the Imperial University	13
IV. Imperial Ordinance for the Officers of the Imperial University	18
V. Imperial Ordinance relating to Degrees	22
VI. Notification No. 4 of the Department of Education giving by laws relating to the Regulations for Degrees	24
VII. Regulations as to Examination for Degrees of the Students of the University Hall	29
VIII. Instructions from the Department of Education, dated June 26th, 1886.....	30
IX. University Officers	32
X. General Regulations for the Colleges	35
1. Academic year, Terms and Vacations	35
2. Conditions of Attendance	35
3. Suspension of Attendance.....	38
4. Examinations and Certificates.....	39
5. Post-Graduate Studies	43
6. Unpaid and Paid Assistants.....	45
7. Elective Studies.....	46
8. Honour Students	47
9. Loan Scholarships.....	48
10. Suspension of Government Cadetships and Loan Scholarships	53

	PAGE.
11. Repayment of Loan Scholarship.....	53
12. Postponement of repayment of Loan Scholarship...	53
13. Donations in Money	54
14. Scientific Excursions.....	55
15. Fees and other Expenses.....	56
16. Regulation for Voluntary Military Service	57
17. Residence and Discipline of Students	58
18. Recreation and Physical Exercises	61
XI. College of Law	63
1. Officers	63
2. Courses of Instruction	65
XII. College of Medicine	72
1. Officers	72
2. Courses of Instruction	75
3. Regulations for Final Examinations in Medicine....	79
4. Regulations for Final Examinations in Pharmacy...	90
5. By-Laws to the Regulations for Elective Students ..	98
6. By-Laws to the Regulations for Post-Graduate Students	99
7. Laboratories, Hospitals, &c.	100
XIII. College of Engineering	104
1. Officers	104
2. Courses of Instruction, Laboratories, Workshop, &c.	106
XIV. College of Literature.....	119
1. Officers	119
2. Courses of Instruction	122
XV. College of Science	136
1. Officers	136
2. Courses of Instruction	137
3. Laboratories, Botanic Garden, &c.....	144
4. Temporary Special Elementary Courses	148
5. Courses of Instruction	150
XVI. College of Agriculture.....	152
1. Officers	152

CONTENTS

III

	PAGE.
2. Courses of Instruction.....	155
3. Regulations for Final Examinations in the Course of Veterinary Medicine.....	161
4. Regulations for Subsidiary Courses in Agriculture, Forestry, and Veterinary Medicine.....	163
5. Subsidiary Course in Veterinary Medicine.....	166
6. Regulations for Volunteer Farm Laborers.....	170
7. Laboratories.....	172
XVII. University Hall.....	173
Regulations and Conditions of Admission.....	173
XVIII. Library.....	176
Number of Students.....	184
Number of Gakushi and Graduates.....	186
Number of Hakushi.....	187
University Expenditure.....	188
President's Speech on the Occasion of the Graduation Ceremony, 10th July, 1892.....	189
Table of Cities and Prefectures.	
" " Occupations of Graduates.	
" " Years of Graduates.	
" " Average Ages of Graduates during three years.	
" " Average Ages of Regular Students and other Students.	
List of Journals of the Imperial University.	
Rough Plan of the University Compound.	
" " " " Agriculture College Compound.	



CALENDAR.

IMPERIAL UNIVERSITY OF JAPAN

1892.	S.	M.	T.	W.	Th.	F.	S.	
September.						1	2	3
	4	5	6	7	8	9	10	First Term begins, 11th.
	11	12	13	14	15	16	17	Holiday of the <i>Shiuki</i>
	18	19	20	21	22	23	24	<i>Kōrei Sai</i> , 22nd.
	25	26	27	28	29	30		
October.							1	Holiday of the <i>Kanname</i>
	2	3	4	5	6	7	8	<i>Matsuri</i> , 17th.
	9	10	11	12	13	14	15	
	16	17	18	19	20	21	22	
	23	24	25	26	27	28	29	
	30	31						
November,				1	2	3	4	5
	6	7	8	9	10	11	12	His Majesty's Birthday,
	13	14	15	16	17	18	19	3rd.
	20	21	22	23	24	25	26	Holiday of the <i>Niiname</i>
	27	28	29	30				<i>Matsuri</i> , 23rd.
December.						1	2	3
	4	5	6	7	8	9	10	First Term ends, 24th.
	11	12	13	14	15	16	17	Winter Vacation begins,
	18	19	20	21	22	23	24	25th.
	25	26	27	28	29	30	31	
1893.								
January.	1	2	3	4	5	6	7	Winter Vacation ends,
	8	9	10	11	12	13	14	7th.
	15	16	17	18	19	20	21	Second Term begins, 8th.
	22	23	24	25	26	27	28	Holiday of the <i>Kōmei</i>
	29	30	31					<i>Tennō Sai</i> , 30th.

CALENDAR FOR 1892-93.

1893.	S.	M.	T.	W.	Th.	F.	S.	Holiday of the <i>Kigen Setsu</i> , 11th.
February.					1	2	3	4
	5	6	7	8	9	10	11	
	12	13	14	15	16	17	18	
	19	20	21	22	23	24	25	
	26	27	28					
March.					1	2	3	4
	5	6	7	8	9	10	11	
	12	13	14	15	16	17	18	
	19	20	21	22	23	24	25	
	26	27	28	29	30	31		
								Anniversary of the University, 1st.
								Holiday of the <i>Shunki-Kōrei Sai</i> , 20th.
								Second Term ends, 31st.
April.							1	
	2	3	4	5	6	7	8	
	9	10	11	12	13	14	15	
	16	17	18	19	20	21	22	
	23	24	25	26	27	28	29	
	30							
								Spring Vacation begins, 1st.
								Spring Vacation ends, 7th.
								Third Term begins, 8th.
May.		1	2	3	4	5	6	
	7	8	9	10	11	12	13	
	14	15	16	17	18	19	20	
	21	22	23	24	25	26	27	
	28	29	30	31				
June.					1	2	3	
	4	5	6	7	8	9	10	
	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	
	25	26	27	28	29	30		
								Term Work ceases, 17th.
								Annual Examinations begin, 21st.
July.							1	
	2	3	4	5	6	7	8	
	9	10	11	12	13	14	15	
	16	17	18	19	20	21	22	
	23	24	25	26	27	28	29	
	30	31						
								Third Term ends, 10th.
								Summer Vacation begins, 11th.

II. HISTORICAL SUMMARY.

Inasmuch as the TEIKOKU DAIGAKU or Imperial University owes its existence to the union of the late TŌKYŌ DAIGAKU, KŌBU DAIGAKKŌ, and TŌKYŌ NŌRINGAKKŌ it seems fitting that, in tracing its history, reference should be made to the origin of these three institutions.

The four departments of Law, Science, Medicine, and Literature, which composed the TŌKYŌ DAIGAKU, sprang, with the one exception of the Department of Medicine, from an institution of some antiquity founded by the Tokugawa Government, and known first as the YŌGAKUJO, and afterwards as the KAISEIJO. This institution was, after the Restoration of 1868, revived by the Imperial Government, and in January of the following year it opened its doors anew for the first time. Special attention was devoted to instruction in English and French, to which languages German was soon afterwards added. In December of the same year, the College received the name of DAIGAKU NANKŌ or South College, because of its location at Hitotsubashi to the South of the Central DAIGAKU, to which it was attached. The Central Daigaku was situated in the old Gakumonjo at Yushima.

The DAIGAKU having been abolished in the year 1871, the DAIGAKU NANKŌ, known simply as the NANKŌ, came directly under the control of the Department of Education; and in the following year, when the country was mapped out into educational districts, it received the name of the First Middle School of the First Grand Educational District.

In April of 1873 the name of the institution was

changed to KAISEI GAKKŌ, and special courses of studies were instituted in Law, Chemistry, Engineering, Polytechnics and Mining. In the same year the institution was transferred to the new buildings just completed at No. 1, NISHIKICHŌ SANCHŌME (Hitotsubashi Soto.)

In 1874 the word "Tōkyō" was prefixed to the name of the institution, and it was called the TŌKYŌ KAISEI GAKKŌ.

In April of 1876, the Department of Education united this institution and the TŌKYŌ IGAKKŌ or Medical College so as to form the TŌKYŌ DAIGAKU or Tōkyō University, comprising the four Departments of Law, Science, Medicine and Literature. The Departments of Law, Science and Literature were combined in one institution and one President was appointed for all three. Another President had charge of the Medical Department.

The Medical Department sprang out of the IGAKUJO, an institution in Shitaya originally belonging to the Tokugawa Government, and revived by the Imperial Government in 1868.

In the following year, this School and the Hospital established for the tending of the wounded in the war of 1868, were united under the name of the Medical School and Hospital. Soon afterwards the combined institution was attached to the DAIGAKU and received the name of DAIGAKU TŌKŌ or East College, because of its position to the East of the Central Daigaku. In 1871 it shortened its name to TŌKŌ, and in 1872 assumed the name of IGAKKŌ or Medical College in the First Grand Educational District, which title was again changed to TŌKYŌ IGAKKŌ in the year 1874.

In 1876, the new buildings at Hongō having been completed, the College was transferred thither from Shi-

taya. In 1877 the College became the Medical Department of the Tōkyō DAIGAKU or Tōkyō University.

In 1881, the organization of the Tōkyō DAIGAKU was modified by the appointment of a President who should have control not only of the four Departments of Law, Science, Medicine and Literature, but also of the Preparatory School. In September of 1884, the Departments of Law and Literature removed to the new brick building in Kaga Yashiki, Hongō.

During the year 1885 various changes occurred. The Central Office of the University was transferred to a building in the compound at Hongō, the Preparatory School dissolved its connection with the University and became an independent institution, the Department of Science also removed to Hongō, and the Tōkyō HōGAKKŌ or Law School, under the control of the Department of Justice, was merged in the University. Also in the same year the Department of Technology was created, and courses in Mechanical and Civil Engineering, Mining, Applied Chemistry, Naval Architecture, and kindred subjects were transferred to the new department from the Science Department. The course of Politics in the Literature Department was likewise transferred to the Law Department, henceforward to be known as the Department of Law and Politics.

The KōBU DAIGAKKŌ, originally known as the KōGAKKŌ, was instituted in 1871 in connection with the Bureau of Engineering in the Public Works Department of the Imperial Government. The institution was in 1872 divided into the College and the Preparatory School. In 1874, the Preparatory School was actually opened for instruction in Yamato-Yashiki, Tameike, and in 1876 an Art School was created in connection with the College.

In 1877, the Bureau of Engineering was abolished, and the College was thenceforward called the KÖBU DAIGAKKÔ or Imperial College of Engineering. The same year witnessed the completion of the large new buildings at Toranomon, containing a central hall, class-rooms, laboratories, dormitories, and the full equipment necessary for such an institution.

In June, 1882, the term of engagement of the head-professor Mr. Henry Dyer expired. He first arrived in Japan in June, 1873, was appointed head-professor, and occupied, at the same time, the chair of Civil Engineering. At this time the College was still in its infancy, and he set himself to plan the curriculum and formulated the various College rules and regulations. He also planned the college buildings. As head-professor, he discharged his duties with untiring diligence for the long period of almost ten years. For these reasons, when he was leaving Japan, he was decorated with the Third Order of the Rising Sun, and was also appointed honorary head-professor of the Engineering College.

In 1882 the Art School was discontinued. In 1885 the Department of Public Works was abolished, an event which caused the College to be transferred to the control of the Department of Education.

In the late TÖKYÖ DAIGAKU and KÖBU DAIGAKKÔ, the following degrees were conferred on the graduates by their respective authorities; *Hōgakushi* in the Department of Law; *Rigakushi* in Science; *Igakushi* in Medicine; *Bungakushi* in Literature; and *Kōgakushi* in Engineering.

On the 1st. of March, 1886, the Imperial Ordinance No. 3 was promulgated for the organization of the TEIKOKU DAIGAKU or Imperial University, and the TÖKYÖ DAIGAKU and

KÔBU DAIGAKKÔ were merged in the new institution. H. E. HIROMOTO WATANABE, then the Governor of Tōkyō, was appointed President of the University.

In April, curricula of instruction for the several Colleges of the University were established. Each course extends over three years, excepting the course in Medicine, which extends over four years. In the same month, the TōKYŌ SHOKKŌ GAKKŌ (School of Industrial Technology) was placed under the control of the University.

In November, the five principal private Law Schools in the city were placed under the supervision of the University. A supervising committee for these Schools was formed among the professors of the College of Law, who became responsible for the courses of instruction and the method of examining the students.

In December of the same year, a Marine Zoological Station was established at Misaki, a town situated at Cape Miura, in Sagami.

In May, 1887, the Imperial Ordinance No. 13 was promulgated, establishing regulations for Learned Degrees, and in June of the same year by-laws connected with these regulations were issued by the Minister of State for Education. These two documents will be found, in full, further on in the Calendar.

In July, it was decided that graduates of the Colleges should be entitled to call themselves *Hōgakushi*, *Igakushi* (*Yakugakushi* in the case of graduates in the course of Pharmacy), *Kōgakushi*, *Bungakushi* and *Rigakushi* respectively, according to the course which they had pursued, and that *Jun-Igakushi* of the TōKYŌ DAIGAKU, and graduates of the KÔBU DAIGAKKÔ who had not received degrees, should be allowed to call themselves *Igakushi* and *Kōgakushi* re-

spectively after obtaining the sanction of the President of the University, to whom a formal application must be made, and a history given at length of their professional career after graduation.

In October, the Tōkyō SHOKKŌ GAKKŌ was separated from the University.

In March 1888, the powers and duties of the president of the University were formally fixed by the Minister of State for Education.

In the same month, a notification was issued by the Education Department regulating the income, from tuition fees and various other sources, of all educational institutions under the direct control of the Department, with the object of supplying each with a capital fund.

In May, the University was released from the duty of supervising the five principal private law schools in Tōkyō.

The Tōkyō Observatory was established at Iigura in the month of June. This institution, formed by the amalgamation with the University Observatory of the Astronomical Section of the Home Department and the Astronomical Observatory of the Imperial Navy, was placed under the control of the Imperial University, which was accordingly entrusted with the duty of publishing the Astronomical Almanac.

On July 31st, the College of Engineering was moved to the new brick building just completed for its use in the compound at Hongō.

On the 30th October of the same year, a "Temporary Committee for the Compilation of the National History" was established. This was due to the discontinuance of the "Temporary Board for the Compilation of the National

History in the Naikaku," and to the subsequent entrusting of the work to the Imperial University.

On the 20th December of the same year, the College of Science was removed to the new building then completed.

On the 19th May, 1890, Hiromoto Watanabe, the president of the Imperial University, was appointed a Minister Plenipotentiary, and Hiroyuki Katō, a member of the Senate, succeeded him as President of the Imperial University. On the 11th June of the same year, the College of Agriculture was added to the University, as the result of the Imperial Ordinance No. 92, according to which the College of Agriculture and Dendrology was made one of the colleges of the Imperial University, and of the Imperial Ordinance No. 93, according to which the College of Agriculture was added to Article X of the Imperial Ordinance for the founding of the Imperial University.

The College of Agriculture and Dendrology came into existence by the Imperial Ordinance No. 56, proclaimed on 22nd July, 1886, which abolished the Komaba Agricultural College, and the Tōkyō Dendrological College, and established the said College of Agriculture and Dendrology. The Agricultural College owes its existence to the establishment of the Nōjishūgakujo (Place for studying Agriculture) started at Naitō Shinjuku, a compound belonging to the Industrial Board of the Department of the Interior, in 1874, where students were taught agriculture. The said institution was designated by the new name of Nōgakkō (Agriculture College) in October, 1877, and removed to Komabano in December of the same year.

In January, 1878, the then Minister of the Interior, Toshimichi Ōkubo, presented to the college as a reserve

fund two years' share of his shōtenroku (pension for signal merit) which amounted to the sum of over 5400 yen.

In April, 1881, when the Department of Agriculture and Commerce was established, the College was placed under the management of the Agricultural Bureau of the same Department. In April, 1886, it was placed under the direct control of the said Department. On the 22nd July of the same year, it was abolished.

On the 2nd October of the same year, a Committee for the compilation of Geographical Records, known as *Chishihensan gakari*, was appointed. It owes its existence to the fact that the *Chishika* in the *Chirikyoku* was placed under the supervision of the Imperial University. On the 6th November the Imperial Ordinance No. 269 was issued, whereby the 11th article of the Imperial Ordinance relating to the Constitution of the Imperial University was modified, and the 14th article thereof cancelled. The Imperial Ordinance No. 270 modified the existing regulations regarding the official ranks of the official staff of the Imperial University, at the same time fixing their number.

On the 31st March, 1891, the "Temporary Committee for the Compilation of the National History" and the "Committee for the Compilation of the National Topography" were amalgamated into a single "Committee for the Compilation of the National History and Topography."

On the 24th July, the Imperial Ordinance No. 136 fixed anew the number of the officers of the University; the Ordinance No. 139 determined the salaries of the higher officials of the University, the schools under the direct control of the Department of Education and of the Public Library, and the Ordinance No. 140 fixed the number of the Professors and Assistant-Professors of the University.

On the 15th August the length of the curricula in the College of Law was extended to four years.

On the 18th August, 1892, the new Library Buildings which had been under construction, were completed. On the 8th September the Arts. VIII and IX of the Constitution of the Imperial University were modified by the Imperial Ordinance No. 75.

The Imperial University is under the control of the Minister of State for Education and depends for its revenue upon annual allowances from the Treasury of the Imperial Government. The tuition fees and other sources of income are allowed to accumulate year by year so as to form a large fund. A certain portion of this fund is, however, to be paid out in some cases towards the current expenditure of the University, when the cases are of such a nature as to demand the outlay.

This whole University—*viz*: the offices of the University, the University Library, the Colleges of Law, Medicine, Engineering, Literature, and Science, the First Hospital of the College of Medicine, and the Dormitories of the Colleges,—is situated in the extensive grounds at Motofujichō, Hongō, Tōkyō, known as Kaga-Yashiki; and the College of Agriculture at Komaba, Kami Meguro Mura, Yebara Gōri. The Botanic Garden is located at Shiroyama Gotenmachi, Koishikawaku, the Tōkyō Observatory belonging to the University at Iigura, and the Second Hospital of the Medical College at Shitaya, all within the city limits. The Marine Biological Station of the University is situated at Misaki, a town on the north side of the entrance to the Bay of Tōkyō.

(1.)

III. Imperial Ordinance
for the founding of the Imperial University.

We hereby give Our Sanction to the present Ordinance relating to the Imperial University and order it to be promulgated.

His Imperial Majesty's Sign-Manual.

[*Privy Seal.*]

Dated the 1st day of the 3rd month of the 19th year of Meiji.

Countersigned by

COUNT ITÔ HIROBUMI,

Minister President of State.

MORI ARINORI,

Minister of State for Education.

**Imperial Ordinance No. 3.
Constitution of the Imperial University.**

(The following modifications were made in the original ordinance: Art. X by the ordinance No. 93, dated the 11th June 1890; Art. XI by the ordinance No. 269, dated the 10th November 1890, and Art. XIV rescinded; and Arts. VIII and IX modified by the ordinance No. 70, dated the 8th September, 1892.)

ART. I.

The Imperial University shall have for its objects the teaching of such arts and sciences as are required for the purposes of the State, and the prosecution of original investigations in such arts and sciences.

ART. II.

The Imperial University shall consist of the University Hall and the Colleges: the University Hall being established for the purpose of original investigations, and the Colleges for that of instruction, theoretical and practical.

ART. III.

Certificates of graduation shall be awarded to students, who shall have completed any one of the courses in the Colleges, and shall have passed the examinations prescribed by the statute.

ART. IV.

The Imperial University shall confer degrees upon those who either being graduates of one of the Colleges or being deemed to be of equal standing with graduates, shall

have prosecuted original investigations in the University Hall, and shall have passed the required examinations.

ART. V.

The officers of the Imperial University shall be as follows :—President (of *Chokunin* rank), Councillors, Secretaries (*Sōnin*), and Clerks (*Hannin*).

ART. VI.

The President shall superintend all the affairs of the Imperial University under the direction of the Minister of State for Education. The duties of the President are chiefly as follows :—

- (1) To maintain order in the Imperial University.
- (2) To see after the condition of the Imperial University and to submit suggestions to the Minister for any improvement he may deem necessary.
- (3) To preside over the meetings and discussions of the Councillors, and to report to the Minister the proceedings thereof.
- (4) To act as Director of the Law College.

ART. VII.

The meetings of the Councillors shall be held either at the Imperial University or at the Department of Education, as convenience may require. Matters to be submitted to the Councillors for their deliberation are as follows :—

- (1) The curricula of studies.
- (2) The promotion of the interests of the University and of each College.

ART. VIII.

Councillors shall consist of the Director of each College (except that of Law), the Chief-Professor of the Law College, and a professor of each College. The councillors who are also professors are elected from among themselves by the professors of each College and formally appointed by the Minister of Education.

ART. IX.

The appointment of the Councillors elected from among the professors shall be for a term of two years and may be renewed on the expiration of that term.

ART. X.

The Colleges of the University shall be designated as follows :—College of Law, College of Medicine, College of Engineering, College of Literature, College of Science, and College of Agriculture.

The College of Law is divided into two sections : Law and Politics.

The College of Agriculture is divided into three sections : Agriculture, Forestry, and Veterinary Medicine.

ART. XI.

The staff of each College shall be as follows :—Director (of *Sōnin* rank), Chief-Professor, Professors, (*Sōnin*), Assistant-Professors (*Sōnin*), Superintendent of Dormitories (*Sōnin*) Clerks (*Hannin*), and Assistants (*Hannin*).

Professors may be specially raised to *Chokunin* Rank, and Directors and Chief-Professors who are at the same time Professors of *Chokunin* Rank are also of the same Rank.

ART. XII.

The Director of each College shall be selected and appointed from among its Professors. He shall superintend the affairs of the College under the guidance of the President of the Imperial University.

ART. XIII.

The Chief-Professor of each College shall be appointed from among its Professors. He shall see to the proper discharge of their duties by Professors and Assistant-Professors, and to the maintenance of order in lecture-rooms.

IV. Imperial Ordinance No. 136. (24th July 1891)
Officers of the Imperial University.

ART. I.

The Officers of the Imperial University shall be as follows ;

President.	
Directors of Colleges	6 persons
Chief-Professors	6 „
Secretaries	2 „
Superintendents of Dormitories	2 „
Clerks	73 „
Assistants	110 „

ART. II.

The number of Professors and Assistant-Professors shall be specially fixed by ordinance according to the particular subjects of study.

The number of Professors who may be specially raised to *Chokunin* rank shall not exceed twelve.

ART. III.

The President shall be empowered, after receiving the permission of the Minister of Education, to employ, when necessary, foreign instructors in addition to the regular staff, and to appoint lecturers or employés, provided that the appropriation for salaries for the current year is not thereby exceeded.

Imperial Ordinance No. 139 (24th July 1891).

Regulations for the Salaries of the Higher Officials of Imperial University, and the Schools under the Direct Control of the Department of Education and Public Libraries.

ART. I.

Higher Officials of the Imperial University.

President 4,000 *yen*

Professors According to Table I.

N.B. Only Professors of *Chokunin* rank are entitled to the first two classes of salary.

Secretaries, 1st class 1,200 *yen*

2nd class 900 *yen*

Assistant-Professors According to Table I.

Superintendents of Dormitories, 1st class 900 *yen*

2nd class 800 *yen*

ART. II.

Of the Secretaries and Superintendents of Dormitories of the Imperial University one each shall belong to the first and second classes.

ART. III.

Instructors who also fill non-professorial posts or non-professorial officials who also serve as instructors, shall, even when their double duties are performed in the same department, be entitled to additional salaries, not in any case exceeding one-third the salary attached to the additional post.

ART. IV.

Instructors may, according to the number of their hours of instruction or the degree of difficulty of the subjects of their instruction, receive salaries less than the minimum prescribed in the accompanying table.

TABLE I.

ANNUAL SALARIES.

Professors of the Colleges of the Imperial University.

1st class	3,000 yen	2nd class	2,800 yen
3rd class	2,500 yen	4th class	2,200 yen
5th class	2,000 yen	6th class	1,800 yen
7th class	1,600 yen	8th class	1,400 yen
9th class	1,200 yen	10th class	1,000 yen

ASSISTANT-PROFESSORS.

1st class	1,200 yen	2nd class	1,000 yen
3rd class	900 yen	4th class	800 yen
5th class	700 yen	6th class	600 yen

Those Clauses of the Ordinance which do not affect the University are omitted.

Imperial Ordinance No. 140. (24th July, 1891.)

In accordance with Art. II. of the Imperial ordinance No. 136 (1891), the number of Professors and Assistant-Professors is hereby fixed as follows: (*Professorships held along with other appointments excluded*).

Professors.....	75
Assistant-Professors	50

Imperial Ordinance No. 96.
CONCERNING RANKS AND SALARIES OF HIGHER
OFFICIALS.
 (Extract)
OFFICIAL RANKS.

Ranks.	Grades.	Imperial University.
Chokunin.	Shinnin.	
	I	President.
	II	President, Professors.
Sōnin.	III	Professors.
	IV	"
	V	"
	VI	{ Assistant- Professors, Secretaries.
	VII	" " " { Superintendents of
	VIII	" " " { Dormitories.
	IX	

OFFICIAL GRADES AND CORRESPONDING SALARIES.

Official Grades.	Professors.	Assistant-Professors.
III	3rd. class Salary.	
IV	4th. and 5th.	
V	6th. and 7th.	
VI	8th. and 9th.	1st. class Salary.
VII	10th.	2nd., 3rd. and 4th.
VIII		5th. and 6th.

(2.)

V. Imperial Ordinance relating to Degrees.

We hereby give Our Sanction to the present Ordinance relating to Degrees, and order the same to be promulgated.

His Imperial Majesty's Sign-Manual.

[*Privy Seal.*]

*Dated the 20th day of the 5th month of
the 20th year of Meiji.*

Countersigned by

COUNT ITÔ HIROBUMI,

Minister President of State.

VISCOUNT MORI ARINORI,

Minister of State for Education.

**Imperial Ordinance No. 13. Regulations
for Degrees.****ART. I.**

Degrees shall be of two classes, *Hakushi* and *Dai-hakushi*.

ART. II.

The Degree of *Hakushi* shall be of five kinds ;—*Hō-gaku* (Law) *Hakushi*, *Igaku* (Medicine) *Hakushi*, *Kōgaku* (Engineering) *Hakushi*, *Bungaku* (Literature) *Hakushi*, and *Rigaku* (Science) *Hakushi*.

ART. III.

The Degree of *Hakushi* shall be conferred by the Minister of State for Education upon such persons as have passed the prescribed examinations at the University Hall ; and upon such others as, after reference to the Council of the Imperial University, are considered by the Minister to possess attainments equal to, or higher than those of the persons above mentioned.

ART. IV.

The Degree of *Daihakushi* shall be conferred by the Minister of State for Education, after reference to the assembly of *Hakushi*, and after approval received from the Cabinet, upon such persons as are deemed specially meritorious in science or arts.

ART. V.

By-law relating to the present Ordinance shall be made by the Minister of State for Education.

(3.)

VI. Notification No. 4

of the Department of Education giving by-laws
relating to the Regulations for Degrees.

By-laws relating to the Regulations for Degrees are hereby prescribed in accordance with Art. V of "Imperial Ordinance No. 13" concerning Degrees (issued in the 5th month of the present year).

*Dated the 25th day of the 6th month of the
20th year of Meiji.*

VISCOUNT MORI ARINORI,
Minister of State for Education.

By-laws relating to the Regulations for Degrees.

ART. I.

The Degree of *Hakushi* shall be conferred as follows :—

The *Hōgaku* (Law) *Hakushi* shall be conferred upon persons who have specially studied the subjects prescribed in the College of Law ; the *Igaku* (Medicine) *Hakushi*, upon persons who have specially studied the subjects prescribed in the College of Medicine ; the *Kōgaku* (Engineering) *Hakushi*, upon persons who have specially studied the subjects prescribed in the College of Engineering ; the

Bungaku (Literature) *Hakushi*, upon persons who have specially studied the subjects prescribed in the College of Literature; and the *Rigaku* (Science) *Hakushi*, upon persons who have specially studied the subjects prescribed in the College of Science.

ART. II.

The Degree of *Hakushi* shall be conferred by the Minister of State for Education upon persons who have been admitted to the University Hall and have passed the prescribed examinations thereof, after notice has been given by the President of the Imperial University.

ART. III.

The Degree of *Hakushi* shall be conferred by the Minister of State for Education upon such persons as are considered by him to possess attainments equal to, or higher than, those of persons who have been admitted to the University Hall and have passed the prescribed examinations therein, provided that the qualifications of such candidates shall have been first submitted to the Council of the Imperial University, and approved by not fewer than two-thirds of all the numbers of such Council.

ART. IV.

Candidates for the Degree of *Hakushi* may apply for the same to the Minister of State for Education; each application to be accompanied by a brief personal record, together with a thesis composed by the candidate on some subject specially studied by him.

ART. V.

In the case of candidates under Art. III., the Council of the Imperial University may, if necessary, hold examinations.

N. B.—Such examinations are not compulsory.

ART. VI.

The Degree of *Daihakushi* shall be conferred by the Minister of State for Education upon persons deemed by him specially meritorious in science or arts, whose qualifications, having been discussed by the Assembly of *Hakushi*, shall have been approved by not less than two-thirds of the members actually present, and shall afterwards have been submitted to and confirmed by the Cabinet.

ART. VII.

Matters relating to the Assembly of *Hakushi* shall be managed by a committee appointed by the Minister of State for Education, and no Assembly shall be held unless at least twenty *Hakushi* be present.

ART. VIII.

The place of meeting and the date of session of the Assembly of *Hakushi* shall in each case be published five weeks previously in the Official Gazette.

ART. IX.

Rules relating to the examination under Art. V. shall be framed by the President of the Imperial University.

ART. X.

The forms for Degree Certificates shall be as follow:—

DEGREE CERTIFICATE.*

.....,

Title, order of decoration,
rank, legal residence,
and social class.

The Degree of.....*Hakushi* is hereby conferred
on the aforesaid.....according to Art. III. of "Im-
perial Ordinance No. 13" concerning Degrees, issued
in the 20th year of Meiji.

Dated this.....day of the.....month of
the.....year.

Seal of the
Department
of
Education.

.....,
Minister of State
for Education
title, order of decoration,
and rank,
(seal).

Counterfoil of seal.

No.

* Certificates conferred under the 1st proviso of Art. III. of "Imperial Ordinance No. 13" relating to Degrees are distinguished by red borders ; those under the 2nd proviso, by green borders.

DEGREE CERTIFICATE.*

.....,
 Title, order of decoration,
 rank, legal residence
 and social class.

The Degree of *Daihakushi* is hereby conferred on
 the aforesaid.....according to Art. IV. of "Im-
 perial Ordinance No. 13" concerning Degrees, issued
 in the 20th year of Meiji.

Dated this.....day of themonth of
 the.....year.

Seal of the
 Department
 of
 Education.

.....,
 Minister of State
 for Education,
 title, order of decoration,
 and rank,
 (seal).

Counterfoil of seal.

No.

* These certificates are distinguished by black borders.

VII. Regulations as to Examination for Degrees of the Students of the University Hall.

ART. I.

Students of the University Hall shall, after five years' study, report on their studies through the Professor in charge to the President of the University and send in an application, together with a thesis on the subject of their study, for an examination for a degree.

ART. II.

On receiving the application, the President of the University shall appoint an examination committee from among the instructors in charge of the subjects of the applicant's study.

ART. III.

The Examination Committee shall elect from among themselves a manager who shall be entrusted with all business matters connected with the examination.

ART. IV.

The Examination Committee shall inquire into the applicant's studies, examine his thesis, and if they deem it necessary, examine him and finally report to the President of the University.

(4.)

VIII. Instructions from the Department of Education, dated June 26th, 1886.

Regulations for Meeting of Councillors of the Imperial University.

ART. I.

The meetings of the Councillors of the Imperial University shall be held at such times as the Minister of State for Education or the President of the University may think fit, or at the joint request of more than three Councillors.

ART. II.

All matters for deliberation shall be submitted to the Councillors at their meetings by the President of the University.

ART. III.

The Minister of State for Education may have any of the officers in his Department present at meetings of Councillors.

ART. IV.

The President of the University may request the presence of Professors or other members of the University at meetings of Councillors, for purpose of consultation or advice.

ART. V.

For the regular transaction of business at these meetings, a quorum of at least one half of all the Councillors is necessary. All questions shall be settled by the vote of a simple majority of the Councillors present.

ART. VI.

The business transacted at all meetings of Councillors shall be recorded by a secretary, and a report of the same shall be forwarded by the Paesident to the Minister of State for Education.

IX. UNIVERSITY OFFICERS.

President,

His Excellency HIROYUKI KATŌ, *Bungakuhakushi*.

Councillors,

Professor MASAKAZU TOYAMA, *Bungakuhakushi*, M.A. (Michigan University).

„ DAIROKU KIKUCHI, *Rigakuhakushi*, M.A. (Cantab.)

„ KENJI ŌSAWA, *Igakuhakushi*, M.D. (Strassburg University).

„ KAUU FOUROUTSI, *Kōgakuhakushi*, Ingénieur des arts et manufactures, Licencié ès sciences.

„ NAOKICHI MATSUI, *Rigakuhakushi*, Ph. D. (Columbia College).

„ HIIDZU MIYAKE, *Igakuhakushi*.

„ KENJIRO YAMAKAWA, *Rigakuhakushi*, Ph. B. (Yale College).

„ KINGO TATSUNO, *Kōgakushi*, *Kōgakuhakushi*.

„ DIRO KITAO, *Rigakuhakushi*, Ph. D., M.A.L. (Göttingen University).

„ KENZO WADAGAKI, *Bungakushi*, *Hōgakuhakushi*.

„ TETSUJIRŌ INOUE, *Bungakushi*, *Bungakuhakushi*.

„ NOBUSHIGE HOZUMI, *Hōgakuhakushi*, Barrister-at-Law (Middle Temple).

Secretaries,

Professor KENZÔ WADAGAKI, *Bungakushi, Hôgaku-hakushi.*

NAOKAGE YAMADA.

MASATOMO TSUCHIYA, Superintendent of Dormitories for the College of Agriculture.

HIKOGORÔ SHIMIZU.

Librarian,

Professor INAGI TANAKA, *Bungakushi.*

Curator of the Botanic Garden,

Professor JINZÔ MATSUMURA, *Rigaku-hakushi.*

Director of the Tôkyô Observatory,

Professor HISASHI TERAÔ, *Rigakushi, Rigaku-hakushi, Licencié ès sciences mathématiques (Faculté des sciences de Paris).*

Superintendents of Dormitories,

HIKOGORÔ SHIMIZU, Secretary of the University (for the Colleges of Law, Medicine, Engineering, Literature and Science).

MASATOMO TSUCHIYA, (for the College of Agriculture).

Chairman of the Health Committee,

Professor HIIDZU MIYAKE, *Igaku-hakushi.*

Members of the Health Committee,

Professor KENJI ÔSAWA, *Igaku-hakushi.*

Professor MASANORI OGATA, *Igakushi, Igakuhakushi.*

„ TANEMICHI AOYAMA, *Igakushi, Igakuhakushi.*

Assistant-Professor JIRŌ TSUBOI, *Igakushi.*

„ „ TATSUTARŌ NAKAMURA, *Kōgakushi.*

HIKOGORŌ SHIMIZU, Secretary of the University.

*Committee for the Water-Supply of the University
Compounds,*

Professor CHARLES DICKINSON WEST.

„ WILLIAM KINNIMOND BURTON.

„ UMESABURŌ OGAWA, *Kōgakushi.*

„ ARIYA INOKUCHI, *Kōgakushi.*

*Superintendent of the Electric Light
Department,*

Assistant-Professor GITARŌ YAMAKAWA, *Kōgakushi.*

Superintendent of the Gas Light Department

Professor IWATA NAKAZAWA, *Rigakushi, Kōgakuhashi.*

Superintendent of Buildings,

Assistant-Professor KEIKICHI ISHII, *Kōgakushi.*

N.B.—The names of Councillors and Superintendents are arranged according to seniority of appointment.

XX. GENERAL REGULATIONS FOR THE COLLEGES.

1. ACADEMIC YEAR, TERMS, AND VACATIONS.

1.—The academic year begins on the 11th of September and ends on the 10th of July.

2.—The academic year is divided into three terms. The first term, comprising one hundred and five days, extends from September 11th to December 24th; the second term of eighty-three days extends from January 8th to March 31st; and the third term of ninety-four days extends from April 8th to July 10th.

3.—The Winter vacation comprises two weeks, commencing on the 25th of December and ending on the 7th of January; the Spring vacation, one week, commencing on the 1st of April and ending on the 7th of the same month; and the Summer vacation, two months, commencing on the 11th of July and ending on the 10th of September.

4.—Lectures are suspended on Sundays and on the holidays mentioned in the Calendar, pages 2 and 3.

5.—At the beginning of each term hours of Lectures are determined according to the regulations of each College.

2. CONDITIONS OF ADMISSION AND ATTENDANCE.

1.—Students are admitted to the Colleges of the University at the beginning of each academic year.

2.—Before students are admitted to any first year class, they must either produce a certificate of having completed the regular course in one of the Higher Middle Schools, or show, upon examination held at the University, the same degree of proficiency as those who have completed the courses of the above-named institutions, or of such other institutions as the Minister of State for Education shall have recognized as furnishing an equivalent course of instruction.

3.—Candidates for admission to the 2nd or 3rd year classes, (or 4th year class in the Course of Medicine), are first examined in the subjects necessary for admission to a first year class, and afterwards upon the subjects pursued by the class which they propose to enter, in order to determine whether they shall be admitted or not.

4.—If a student has voluntarily left any of the Colleges, he may, upon application, be re-admitted without examination, from the beginning of the first term, to the grade of class in which he was when he left the College, in order to pursue the same course of study which he was previously pursuing.

5.—If a student who has voluntarily left any of the Colleges make application for permission to pursue any course other than that which he was previously taking, he shall be admitted, upon complying with the condition stated in articles 2 and 3.

6.—Candidates for admission are required to present to the Director of the College which they propose to enter, a written application in accordance with the forms prescribed.

7.—Candidates who undergo an entrance examination are required to pay a fee of five yen to the University. The

fee, however, shall not be returned to any candidate, though he withdraws the application of his own accord before the date of examination.

8.—When a student is admitted to any one of the Colleges, he is required to take the prescribed oath, and to sign his name in the College register. He must also find two sureties who are responsible for him in all matters involved in his connection with the College. These sureties are required to sign a declaration, to be placed in the hands of the Director, acknowledging this responsibility. Sureties must be male persons above 21 years of age who possess land or a house within the jurisdiction of the Tōkyō City administration, or such other persons as the Director of the College may deem suitable and trustworthy.

9.—If a surety dies or loses any of the necessary qualifications stated in Article 8, he must at once be replaced, and a new written declaration must be signed by his successor.

10.—When a surety is absent from his fixed residence for a period longer than four weeks, he must, before his departure, state his intention to be absent, and provide a representative having power of attorney. If both sureties be absent at the same time for a period of less than four weeks, a representative must be provided, and if their absence be longer than four weeks, a second representative must also be provided.

11.—If a student, being unable, through sickness, to continue the course which he has previously chosen, desires to change the said course, he may, upon application to the Director made within one month from the beginning of the academic year, be permitted to select some other course in the same College.

12.—A student who by reason of misconduct, idleness, or chronic sickness, is considered by the President unfit to continue any longer a student of the College, receives notice of dismissal from the Director.

13.—A student desirous of leaving the College, must present a written application to that effect, signed by himself and one of his sureties.

3. SUSPENSION OF ATTENDANCE.

1.—When a student who is suffering from sickness considers that there is no likelihood of recovery sufficient to enable him to resume his studies within the space of two months, he may suspend his attendance at the College during the current academic year, after obtaining permission from the Director of the College.

2.—A student who has obtained permission to suspend his attendance at a College, shall, at the beginning of the following academic year, enter the class of the grade to which he belonged when he obtained the said permission.

3.—No tuition fee is demanded of a student who has obtained permission to suspend his attendance at a College, during the period of such suspension.

If he is in receipt of a loan or other scholarship, or is a government cadet, the payment of such scholarship or cadetship is also suspended.

If such student recover from his sickness at an earlier date than he expected, he may by obtaining special permission attend classes, but not as a regular student, and in this case he is required to pay his tuition fee.

4.—When a student makes an application to the Director of his College for permission to suspend his studies, the Director may grant his request if he consider

it reasonable, subject to the approval of the Director of the first Hospital of the Medical College, to whom the matter must always be referred.

5.—When the matter above mentioned is referred to him, the Director of the Hospital shall appoint a committee to examine into the state of health of the applicant, and shall inform the Director of the College of the result of their inquiry.

4. EXAMINATIONS AND CERTIFICATES.

1.—The annual examination commences on June 21st (or 22nd if the 21st be a Sunday), when students are examined on all subjects studied during the year ; but should the instruction in any subject be completed during the first or second term, the examination on that subject may be held at time of such completion. With regard to practical work carried out by students in laboratories, workshops, or any other place, the instructor has the option of deciding whether or not an annual examination shall be held. In the annual examination of the 4th year class of Medicine and the 3rd year class of Pharmacy in the College of Medicine, students are not examined on the subjects included in the graduation examinations.

2.—The term mark for the work done during each term in each subject shall be determined by written examinations, essays, or exercises, or by any other means the instructor may prefer. If a student has given no means of determining his term marks, on account of absence during the whole term and at the term examination, or from other causes, his term marks shall be reckoned at zero.

3.—The year marks of a student in each subject at the end of each academic year shall be determined by

adding twice the average mark for the term work to the marks obtained at the annual examination, and then dividing the sum thus obtained by 3.

Where any subject is studied during only one term, the year mark of the student in that subject shall be determined in the same way, the term mark being taken as the average mark for the term work.

N.B.—In the case of practical work done by students when no annual examination is held, the average mark for the term work will be considered the year mark.

4.—The general average of the student for each academic year is determined by dividing the sum of the year marks (obtained by the method mentioned in the foregoing article) in all the subjects, by the number of the subjects.

5.—Each professor or instructor shall report to the Director the term marks at the end of each term, and the marks for the annual examination as soon as possible after the date of examination.

6.—At the end of every academic year after the final examinations, a list of each class is posted up, with the names of the students arranged according to merit, showing also promotion or degradation.

7.—At the end of each academic year, students are promoted, degraded, or dismissed according to the scheme given on the next page. Students who have failed in an examination are not allowed to be re-examined under any circumstances.

8.—Students who are absent from the annual examination are degraded, but in cases where term averages obtained during the year are such as, according to the foregoing scheme, entitle them to promotion, a special examination

GENERAL REGULATIONS.

41

GENERAL AVERAGE.	YEAR MARK. UNDER 60.			DISPOSAL OF STUDENT.
	Number of subjects.	Lowest.	Next Lowest.	
60 [to [100	None,			Promoted.
do.	1.	50 to 59 +		do.
do.	1.	0 to 49		Degraded ; But if either term aver- age or final examination mark is 60 or over, } Promoted.
do.	2.	50 to 59 +		Degraded ; But if either term aver- age or final examination mark in either of the two is 60 or over, } Promoted.
do.	2.	40 to 49 +	50 to 59 +	Degraded ; But if either term aver- age or final examination mark in both is 60 or over, } Promoted.
do.	2.	0 to 40 +		do.
do.	3 or more.	0 to 59 +		do.
50 to 59 +	1 or 2.	0 to 59 +		do.
do.	3 or more.	40 to 59 +		do.
do.	do.	0 to 39 +		Dismissed.
40 to 49 +	1.	0 to 49 +		Degraded.
do.	1 or more.	0 to 49 +		Dismissed.
0 to 39 +	1 or more.	0 to 39 +		do.

will be held for them at the beginning of the next academic year.

9.—Students who are degraded according to Article 7, are required to attend the same class from the first term of the next year, and to pursue all the subjects studied by that class. They may sometimes be exempted from attending lectures on those subjects which are studied only during one year or a portion of year, and on which they have passed their examinations; but they must be present at all examinations held during the year.

10.—Any student who has been degraded in two successive years is dismissed.

11.—At the end of every academic year, those students of the third year courses of the Colleges of Law, Engineering, Literature, Science and Agriculture (the Veterinary Science Course excepted), whose term averages and annual examination marks entitle them to pass according to the schedule in Art. 7, those who have passed the graduation-examination of the College of Medicine, and those who are entitled to graduate according to the Regulations for graduation in the Veterinary Science Course, shall receive graduation-diplomas of their respective colleges according to the third article of the Constitution of the Imperial University.

12.—The Graduates of the Colleges shall be permitted to assume, according to their respective studies, the titles of *Hōgakushi*, *Igakushi*, (Graduates of Pharmaceutical Course, *Yakugakushi* *Kōgakushi*, *Bungakushi*, *Rigakushi* and *Nōgakushi* (Graduates in Dendrology, *Ringakushi* and those in Veterinary Science, *Jūigakushi*). The *Jun-igakushi* of the late Tōkyō University and such of the Graduates of the late Kōbu-Daigaku as are not already *Kogakushi*, are permit-

ted, if they still continue in their original profession, to assume, with the President's special sanction, the titles of *Igakushi* and *Kogakushi* respectively.

5. POST-GRADUATE STUDIES.

1.—A course of post-graduate studies is established in each College, for the benefit of students of the University Hall, and also for those graduates of the Colleges who may desire to pursue further the studies of the course which they have already completed. Graduates other than students of the University Hall are admitted to this course only when circumstances allow.

2.—Students of this course are of two classes : holders of scholarships and other students.

3.—Scholarships are allotted to students by the Director of each College with the sanction of the President and the University Council, only in cases where the students take a course of study for which special encouragement and assistance may be required ; and the College gives to each holder of a scholarship a fixed sum for his monthly expenses in the College, and for the actual expenses incurred in his scientific investigations.

4.—Each holder of a scholarship receives a sum not exceeding 15 yen per month, (for any part of a month according to the number of days), for his regular expenses in the College, and the necessary travelling expenses for scientific investigations, within the limit of the funds set apart for each student in each subject of study. A tuition fee is not demanded of any holder of a scholarship.

5.—Students other than holders of a scholarship are required to pay a tuition fee and the actual expenses incurred in their own investigations, but the whole of such

expenses, including travelling expenses, or a certain portion of the whole, may be granted to them by the College when necessary, with the sanction of the President and the University Council.

6.—The length of any course of post-graduate studies shall not be less than one year, nor greater than two years, but students of the University Hall may remain in this course longer than two years.

7.—Students attending a course of post-graduate studies, who by reason of misconduct, idleness, or chronic sickness may be considered unfit to prosecute their studies, are dismissed, subject to the approval of the President and the University Council.

8.—At the close of the period for post-graduate studies, students are required to present to the professor in charge a short statement of their scholastic career while in the College, and a written thesis treating of some branch of the study which they have been pursuing ; and the professor in question shall forward all such papers to the Director of the College, accompanied by his remarks on the same.

9.—If the Director of the College finds that the report made by the professor on the papers above referred to is satisfactory, he shall certify the said report and give it to the student, and shall report his action to the President of the University.

10.—No surety is required for post-graduate students, and they may in certain circumstances be permitted on application to live in the Dormitories.

11.—Regulations for admission and payment of tuition fees, and all the other regulations, hold good for students following a course of post-graduate study, unless other special regulations are made.

6. ASSISTANTS.

A.—UNPAID ASSISTANTS.

1.—Unpaid assistants are appointed in the institutes, laboratories, workshops and hospitals belonging to the Colleges.

2.—The appointment of unpaid assistants is made at their own request, by the President acting under the advice of the University Council, from among those who have finished their course of study in one of the Colleges, or in the University Hall.

3.—Unpaid assistants having the same privileges and duties as other assistants, are required to comply with all the regulations of the University.

4.—To those who have discharged the duties of assistants in a satisfactory manner for a period of more than two years, certificates of merit are given by the President acting on the request of the Director of the College and under the advice of the University Council.

B. PAID ASSISTANTS.

1.—The number of paid assistants is fixed for each institute, laboratory, workshop and hospital ; and a salary not exceeding 15 yen per month is paid to each assistant. But when special circumstances demand it, a salary exceeding 15 yen monthly may be paid, when this payment is sanctioned by the President, at the request of the Director of the College.

2.—Certificates of merit may be given to paid assistants in compliance with Article 4 of the regulations for unpaid assistants.

7. ELECTIVE STUDIES.

1.—Persons, not regular students, who wish to study one or more of the subjects prescribed in the courses in the Colleges, may be permitted under certain conditions so to do, upon application, always provided that the number of regular students admits of this.

N.B.—In the Medical Course of the College of Medicine the above permission is given only to the graduates of the Medical Departments of the Higher Middle Schools, the Medical Schools of Kyōto, Ōsaka, and Nagoya, of the late Special Medical Course, and of Class A. Medical Schools, (or to those of the same degree of proficiency), while in the Pharmaceutical Course it is given only to the graduates in Pharmacy of the Medical Departments of the Higher Middle Schools, to the graduates (since February 1884) of the late Pharmaceutical Course, and to licensed Pharmacutists and Apothecaries. Applicants may be admitted at any time whenever there are vacancies in the classes.

2.—The English, French or German language cannot be chosen as an elective study by students, unless a knowledge of any one of them is necessary for the study of the special subjects chosen by them.

3.—Elective students must be at least 19 years of age and such only shall be admitted as, after an examination by the professors of their elective studies, are considered by them capable of pursuing the proposed courses.

N.B.—Those specified in the *N.B.* to Rule 1 require no examination.

4.—A student who has voluntarily left any one of the Colleges, except the College of Medicine, may upon

application, be admitted to an elective course.

5.—Elective students must pass the examination prescribed for regular students in the same subject, and may obtain, upon application to the Director of the College, certificates that they have finished their course in a special subject, if their term and final examination marks are such as would entitle regular students to promotion.

6.—The ordinary regulations for admission, payment of fees, and other requirements are applicable to elective students, unless special regulations be made for them.

7.—A regular student of one of the Colleges may, besides his own regular course, choose and pursue, as an elective study, not more than two subjects in any other course at his own or any other College, when the professors of the regular and elective courses have certified his fitness to take such course.

No student, however, is permitted to choose a subject prescribed for the upper classes of his regular course.

8.—Students who have entered on the study of any subject are not permitted to abandon the same in favour of another subject, until the close of the academic year, or the termination of the work of the regular course in that subject.

9.—Arts. 4 and 5 do not apply to the elective students of the College of Medicine.

8. HONOUR STUDENTS.

1.—A student of any of the Colleges who is distinguished for his scholastic attainments and good morals, may be made an honour student.

2.—Honour students are nominated, upon the approval of the President, by the Director of each College, accord-

ing to the results of the annual examination at the end of each academic year.

3.—Honour students enjoy the privilege of exemption from tuition fees.

4.—Honour students who by reason of misconduct, idleness, or sickness may be considered unfit to continue their studies, will be deprived of this honour.

9. LOAN SCHOLARSHIPS.

A.—REGULATIONS.

1.—If a student takes a course of study in one of the Colleges where special assistance may be required, and shows himself proficient in scholastic attainments and of good moral character, but is unable to meet his College expenses from his own private means, the President of the University may allot to such student a College loan scholarship of eighty-five yen *per annum* during the academic year.

2.—When requested by Government offices, companies, or private individuals, the President of the University may allot to students loan scholarships offered by these offices, companies, or individuals.

3.—Loan scholarships are given for two objects : (a) in order to bind students to devote themselves, after graduation, to certain professions or occupations designated by the President of the University or the subscribers, as the case may be, for the same number of years as such scholarships shall have been held, and (b) in order to promote and encourage university education.

4.—The holder of a loan scholarship is bound, after graduation, to return monthly the sum of money he

received monthly while in the University, so as to complete the reimbursement of the whole sum during the same number of years as that in which he received such scholarship. The holder of a loan scholarship for the promotion of university education, must, in addition to the refunding of the sum of money, also pay back interest on the same at the rate of six per cent *per annum*.

5.—Should the holder of a loan scholarship granted by a company or private individual fail, after graduation, to engage in the profession or occupation designated by the subscriber, he may, after obtaining the consent of the company or individual, be released from his engagement, by returning the sum of money received in the form of a scholarship, together with interest on the same at the rate of six per cent *per annum*; the said total to be paid at one time within thirty days after such consent has been obtained.

6.—Interest payable on a loan scholarship is calculated for the number of days from the date when the money was actually received, up to the day of returning the same.

7.—Companies or private individuals desirous of offering loan scholarships, are requested to present to the President of the University two copies of a written declaration to that effect and to obtain his acknowledgment for the same; one of these copies shall be returned to the subscriber and the other shall be kept in the University.

8.—Candidates for loan scholarships shall submit to the Director of each College a written application setting forth the object of their studies and other details.

9.—Successful candidates for loan scholarships shall present to the President of the University two copies of a written declaration after a prescribed form, certifying their

intention of fulfilling their obligations ; in the case of scholarships given by Government offices, companies or private individuals, a copy shall be sent to the subscriber, and the other shall be kept in the University with the original declaration of the subscriber.

10.—At the request of the subscriber of any scholarship, and with the President's approval, the sum to be paid to the holder of a scholarship may be diminished, and if by doing so there be a surplus in the amount subscribed, the number of scholarships may be increased.

11.—The subscribed fund and the payment of loan scholarships shall be intrusted to the accountant of the University.

12.—If any holder of a loan scholarship be deemed unfit to continue so any longer, on account of misconduct, idleness, or sickness, he is deprived of the scholarship.

B.—NUMBER OF SCHOLARSHIPS.

Many scholarships are offered by the Colleges of Medicine, Literature, and Science, by Government offices, by companies, and by private individuals, in accordance with the regulations above mentioned.

The Scholarships are as follows :

2 Scholarships offered by the College of Medicine to a student of Pharmacy.

13 Scholarships offered by the College of Literature.

12 Scholarships offered by the College of Science.

The funds for the above three classes of scholarships are drawn from the current expenditure of the Colleges and are awarded only to regular students of the University.

- 9 Scholarships offered by the Department of Justice to the students in the Law Section of the Law College who intend to serve in that Department after graduation.
- 18 Scholarships offered by the Bureau of Works in the Home Department to students in the course of Civil Engineering in the Engineering College who intend to serve in the said Bureau after graduation.
- 20 Scholarships offered by the Mitsubishi Company to students of the Colleges of Law, Medicine, and Engineering, with the object of promoting higher education.
 - 1 Scholarships offered by Mr. ICHIBEI FURUKAWA to students in the College of Engineering, with the object of fostering that branch of learning.
 - 3 Scholarships offered by Mr. KICHIZAYEMON SUMITOMO to such students in the College of Engineering as the President of the University may select, with the object of fostering engineering science.
- 13 Scholarships offered by Mr. RYŌSABURŌ HARA to students of the Colleges of Literature and Science, with the object of promoting higher education.
 - 1 Scholarships offered by Dr. RYŌKUN KONDŌ, to a student in the Medical College, who intends after graduation to serve as his assistant.
 - 2 Scholarships offered by Mr. ZENJIRO YASUDA, to such students of the Engineering College as intend to pursue Naval Architecture.
 - 2 Scholarships offered by Mr. IWAZO KAJIMA to such students in Civil Engineering in the College of Engineering as the President of the University may

select, with the object of fostering engineering science.

1 Scholarship offered by Mr. MANNOSUKE SHIMIZU to a student in Architecture in the College of Engineering with the object of fostering engineering science.

1 Scholarship offered by Mr. SAHEI OHASHI to a students in politics in the Law College, with the object of promoting higher education.

Besides the above, there are proposals on foot for founding other loan scholarships by the Mitsu Bishi Company, Messrs. RYOSABURO HARA, JUNICHIRO SHIMOYAMA, *Yakugakushi*, ZENJIRO YASUDA, and SAHEI OHASHI, and seventeen other gentlemen, besides one by Mr. ARITSUNE YAMAGATA, *Igakushi*, and the Tokyo Electric Light Company.

Besides the holders of Scholarships in the several Colleges, there is one scholar in the Law Course, in accordance with the desires of the War Department, who has bound himself upon graduation to become manager in the said Department; 14 in the College of Medicine at the special desire of the Surgeon-General of the Army, have bound themselves to become army surgeons on graduation; similarly in the Engineering College there is one in Technology of Arms, who at the request of the Naval Department, has bound himself to become expert in that Department on graduation; and another in the Architectural Course who is similarly bound to the War Department. In accordance with the orders of the Educational Department, there are two scholars each in the Literature and Science Colleges who have bound themselves on graduation to become teachers in middle schools; and at the request of the war Department, two in Veteri-

nary Science, treated as candidates for the Army, who have bound themselves on graduation to become Army Veterinary surgeons ; and lastly there are several students in the Colleges who have come to study at the University at the expense, of their respective prefectures.

10. SUSPENSIONS OF GOVERNMENT CADETSHIPS AND LOAN SCHOLARSHIPS.

Whenever any holder of a government cadetship or loan or other scholarship has failed in the annual examination, the payment of such cadetship or scholarship is suspended.

Such scholars as are frequently absent from classes, forfeit their scholarship.

11. REPAYMENT OF LOAN SCHOLARSHIPS.

Whenever any holder of a loan scholarship is deprived of his scholarship, or is expelled from the University, on account of misconduct or idleness ; or whenever he, for reasons of his own, wishes to resign the scholarship, or to retire from University, he must without delay repay the money he has received.

Such students are not released from the obligations into which they entered by their written declaration.

12. POSTPONEMENT OF REPAYMENT OF LOAN SCHOLARSHIP.

If a holder of a loan scholarship forfeits his scholarship by his failure in the annual examination, his repayment of the money he has up to that time received may however be postponed until he has left the University.

13. DONATIONS IN MONEY.

Donations in money were received by the late Tōkyō DAIGAKU from Mr. KIHEI KOBAYASHI, Dr. CHŪTOKU ISHIGURO, and some of the officers of the Government Printing Office, and from the friends of the late Mr. MOTOGORŌ YENUMA, an assistant of the Tōkyō DAIGAKU, as a tribute to his memory: and by the KŌBU DAIGAKKŌ from the Minister of Public Works and the officers of his Department and from the Manager of the Mitsui Bank. In connection with the late Tōkyō Agricultural and Dendrological School there exists an endowment from TOSHIMICHI ŌKUBO, Minister of the Interior. Some of these donations have already been disposed of according to the instructions of the several donors, while others have been transferred to a fund belonging to the present University.

In the present University, HATAKEYAMA scholarships have been founded in Law and Chemistry, by the friends of the late Mr. YOSHINARI HATAKEYAMA, M.A., an eminent Director of the TŌKYŌ KAISEI GAKKŌ, to whose zeal and exertions that institution was indebted for the establishment of the courses in Law and Chemistry and for its final development into the TŌKYŌ DAIGAKU.

Donations in money were also lately received from Mr. ICHIBEI FURUKAWA to aid in the promotion of Mining; from the friends of the late Professor MORISABURŌ ICHIKAWA, to found scholarships for the students in the First Higher Middle School who are preparing for admission to the class of physics in the College of Science; from Dr. SEIKEN TAKENAKA towards the fund of the hospital of the Menical College; and from the Association of Popular Lectures in German in aid of students suffering from illness who have

no sufficient means. In memory of the late SHŌJIRŌ HAYAKAWA, a student of the Medical College, a sum was collected by his friends to purchase a disinfecting pan of German make, and books for the use of students; and similarly in memory of the late YŪJI SATŌ, a student of the Engineering College, his friends contributed towards the fund for the encouragement of study. In memory of the late YOSHISABURŌ TANABE, an Engineer of the Home Department, contribution was made by his friends to fund scholarships for the students in Civil Engineering in the Engineering College. The Institution for Philological Research has proposed to make a monthly contribution towards the encouragement of Philological Research in the Literature College.

14. SCIENTIFIC EXCURSIONS.

In any case where a student in any one of the Colleges, or a student following a post-graduate course, may have to undertake a scientific excursion, the Director of the college shall order to him to undertake the same, after the approval of the President has been obtained, and shall allow him his travelling expenses according to a fixed rate, within the limit of the funds set apart for each student in the different courses, as prescribed in the following page.

**LIMIT OF ALLOWANCES SET APART BY THE
UNIVERSITY FOR EACH STUDENT IN
THE DIFFERENT COURSES.**

Subject or Course.	Student	Student
	in the post-graduate	in the regular courses.
	courses. (To be paid in 2 years.)	(To be paid in 2nd & 3rd year.)*
	<i>Yen.</i>	<i>Yen.</i>
1. Law	50.	—
2. Pathology	50.	—
3. Pharmacology	50.	—
4. Hygiene	50.	—
5. Civil Engineering	180.	120.
6. Mechanical „	150.	100.
7. Naval Architecture	150.	100.
8. Electrical Engineering	100.	60.
9. Architecture	100.	60.
10. Applied Chemistry	90.	60.
11. Mining & Metallurgy	180.	120.
12. Literature	50.	—
13. Physics	50.	—
14. Theoretical Chemistry	35.	35.
15. Geology	108.	72.
16. Biology	90.	60.
17. Zoology	90.	60.
18. Agriculture	80.	50.
19. Forestry	150.	100.
20. Veterinary Medicine	60.	40.

15. FEES AND OTHER EXPENSES.

The regulations established for tuition fees are as follows :—

* Only in certain cases will these allowances be granted to 1st year students.

1.—The tuition fee demanded of each student both regular and elective, in the six Colleges, is two yen and fifty sen per month, which sum must be paid monthly, from the month of his entrance to the month of his graduation, departure, or dismissal, inclusive.

2.—No tuition fee is required for the months of the summer vacation, *viz.* July and August, nor for any month during the whole of which the College to which the student belongs happens to be closed.

3.—A student who on account of illness or other similar cause is absent from his College during any entire month, is still required to pay the regular tuition fee for that month.

4.—The tuition fee shall be paid to the accountant of the University on a fixed day in each month; but in cases where a student may have entered the College after such fixed day in any month, the fee for that month shall be paid on the fixed day in the following month.

5.—The necessary expenses of any one student of any College, who resides in the Dormitories or in the authorized boarding-houses, including the tuition fee, the cost of living, fire, and light, are about twelve yen monthly, according to the scale of living he may choose to adopt.

16. REGULATION FOR VOLUNTARY MILITARY SERVICE.

Those students of the colleges who desire permission to enroll themselves as voluntary conscripts for one year shall be treated during their military service in accordance with the regulations for suspension of attendance and be permitted, on the expiry of their service, to reenter their former classes.

17. RESIDENCE AND DECIPLINE OF STUDENTS.

Each course in the different colleges, or each class, or, when convenient, two combined, shall constitute different groups, called *Bu*. In addition to these groups, a limited number of post-graduates and students of the different Colleges who desire to live in the Dormitories, shall be admitted to residence. Professors, assistant professors, or graduates serving as assistants may be permitted to reside in the Dormitories.

The members of each *Bu* shall elect one of their number by vote, and the said member, with the consent and recognition of the President, shall be appointed headman of the *Bu*, or *Bukan*. He shall be responsible for the preservation of order in the group, and shall also generally represent it, the term of office being one year, commencing on the 20th of September.

All official notices are transmitted through the *Bukan*, and applications made by the whole *Bu*, or any member of the *Bu*, must be addressed through the *Bukan*; or else the applicant must receive a warrant note of recognition from him.

In cases where the Superintendent of a Dormitory desires to enforce some regulation which concerns the whole Dormitory, either on his own authority, or with the permission of the higher authority, as well as in cases where the whole residents in the Dormitories have any application to make to the Superintendents, a meeting of all the *Bukan* shall be held, and the matter shall be decided by a majority of votes. In the former case, the Superintendent shall act as chairman, and in the latter case, the *Bukans* shall elect a chairman by vote from among themselves.

The *Bukanship* is an honorary office and cannot be refused for private reasons or individual convenience. When there are many applications for admission to the Dormitories, and when accordingly, a selection is necessary, the number of applicants from the different colleges shall be selected according to some proportion, and thereafter granted the requisite permission. In cases where the competing applicants belong to the same college, those belonging to a higher class shall have the preference. The post-graduates have also a priority over the students.

In respect to residence and discipline, all students are under the care of the Superintendents of Dormitories, whose duty it is to see that all the University regulations are observed, and who issue from time to time minor regulations and notes for the guidance of students.

All inquiries, applications, and complaints regarding matters connected with the residence of students, should be addressed to the Superintendents.

Students are required to wear the College uniform, and must wear the same in a decent and orderly manner.

Students who enter or leave Dormitories are required to sign their names in the Dormitory register.

The sureties of a student who have signed the required declaration at the time of his admission to his college, are responsible in all matters connected with his residence in the Dormitory.

Students are required to keep their rooms clean and tidy.

Students are forbidden to bring into the Dormitories or keep therein, any intoxicating liquors, or any article prejudicial to good order and decency, or to smoke tobacco in their bedrooms.

Students may, when they have finished their day work at the Colleges, go outside of the University gates on private business until 8 o'clock p.m., and until 10 o'clock on the night before any holiday. On holidays, students are at liberty to go outside of the gates from morning until the hour fixed for returning to the Dormitory.

A student who, having gone outside of the University gates, returns to the Dormitory later than the appointed hour, must submit a note, explaining the reason of the delay; and no student is allowed to enter the University gates after 11 o'clock p.m.

A student who is obliged to stay out a whole night by reason of urgent business or sudden illness, must submit to the Superintendent, before 10 o'clock of the next morning, a note stating the facts.

Any student, who is desirous of leaving his Dormitory, or of staying out for a night on account of urgent business, must apply in person for leave from the Superintendent, stating his reasons.

A student suffering from a slight attack of illness may receive medical attendance in the Dormitory, and may remain in his own room for one week, but in cases where his sickness is of a serious nature or is infectious or contagious, notice shall be given to his sureties, to remove him either to any outside lodging-house or to the Hospital belonging to the College of Medicine.

A student suffering from illness is not permitted to take meals in his room, without permission from the Superintendent, acting under advice of the Medical Officer.

All notifications are presumed to be universally known after the lapse of two days.

Any student who fails to observe the regulations and

notices from time to time, or who is guilty of misconduct, shall be either prohibited from going outside of the University gates for a certain number of days, or be expelled from the Dormitories, or from the University, as the nature of his case requires. All cases of expulsion are published in the Official Gazette. Where the student expelled from the Dormitory happens to be an honour student or a holder of a loan scholarship, he is deprived of such honour or scholarship.

18. RECREATION AND PHYSICAL EXERCISES.

An enclosure has been set apart in the centre of the University grounds at Hongō, for the purposes of recreation, and is now provided with all the requisites for outdoor sports. The University boat-house stands on the east bank of the River Sumida, at Mukōjima. Its upper floor, commanding an extensive view of the river, is specially arranged for the accommodation of visitors at the annual regattas.

The *Teikoku Daigaku Undōkai* or University Exercise Club, organized under the patronage of the late President of the University, receives an annual grant-in-aid from the University. Its current expenses are met by the subscriptions of its members, and of professors and others of the University staff who are not members. The President of the University is *ex-officio* President of the Club. Professors and all other members of the University staff, and graduates and students of the University Hall and the five College, are eligible for membership in the Club.

The club holds two large annual gatherings, one in the University grounds for athletic sports and other physical exercises in the autumn, and one for a regatta on the River Sumida in the spring.

During the summer vacation, students are trained in swimming, under the superintendence of a competent teacher, in the River Sumida below the Ryōgoku Bridge or at Zushi at Miura-gun in the Province of Sagami.

Arrangements have been made for rooms, in the building adjoining the Dormitories, suitable for the holding of meetings by the various literary and scientific societies.

XI. COLLEGE OF LAW.

I. OFFICERS.

DIRECTOR.

His Excellency HIROYUKI KATŌ, *Bungakuhakushi*, President
of the University.

CHIEF-PROFESSOR.

Professor NOBUSHIGE HOZUMI, *Hōgaku-hakushi*, Barister-at-
Law (Middle Temple).

PROFESSORS.

- * NOBUSHIGE HOZUMI**, *Hōgaku-hakushi*, Barrister-at-Law (Middle Temple) *Civil Code, General Law, and Jurisprudence.*
- HIROJI KINOSHITA**, *Hōgaku-hakushi*, *Hōritsugakushi*, Licencié en droit (Faculté de droit de Paris) *French Law.*
- MASAAKIRA TOMII**, *Hōgaku-hakushi*, Docteur en droit (Faculté de droit de Lyon) *Civil Code, French Law.*
- KENZŌ WADAGAKI**, *Bungakushi*, *Hōgaku-hakushi* *History of Political Economy.*
- SEIICHI SUYEOKA**, *Bungakushi*, *Hōgaku-hakushi* *Administrative Law, and English, French, and German Constitutions.*
- UDO EGGERT**, *Doctor Philos.*, Professor (der Staatswissenschaften) of Göttingen University . . . *Finance, Statistics, and Political Economy.*

* The names of professors, assistant professors, assistants and lecturers are arranged to seniority of appointment.

MICHISABURŌ MIYAZAKI, *Hōgakushi, Hōgaku-hakushi*
Roman Law, History of Institutions,
and History of German Law.

ALEXANDER TISON, M. A. L. L. B. (Harvard University)
English Law.

YATSUKA HOZUMI, *Bungakushi, Hōgaku-hakushi*
Constitutional and Administrative Law.

KENJIRŌ OUMÉ, *Hōritsugakushi, Hōgaku-hakushi, Docteur en*
droit (Faculté de droit de Lyon)..... Civil Code and
Commercial Code.

LUDWIG LOENHOLM, Doctor Juris. (Heidelberg University)
 Koenigl. Saechsischer Landgerichts-rath .. *German Law.*

NOBURU KANAI, *Bungakushi Bungaku-hakushi* : *Political*
Economy and Applied Political Economy.

YASUSHI HIJIKATA, *Hōgakushi, Hōgaku-hakushi, Barrister-at-*
Law (Middle Temple) Civil Code and English Law.

ASSISTANT PROFESSOR.

*KEIJIRO OKANO, *Hōgakushi.*

LECTURERS.

KAORU TANABE, *Hōritsugakushi* *Commercial Code.*

KUNIOMI YOKOTA *Criminal Code.*

SADANAGA KOBAYASHI, *Bungakushi, Doctor Philosophie (Heidelberg*
University) Politics.

INAJIRŌ TAJIRI, *Hōgaku-hakushi, B.A. (Yale College). Finance.*

TEIICHIRO MATSUNO, *Hōgakushi* . . . *Exercises in Civil Pleading.*

SEIICHI INO-OUE, *Hōritsugakushi, Hōgaku-hakushi, Docteur en*

* Absent.

droit (Faculté de droit de Dijon).....*Code of
Criminal Procedure.*

SATSUO AKIZUKI, *Hōritsugakushi**International Law.*

II. COURSES OF INSTRUCTION.

The following courses of Law and Politics, each of which extends over four years, have been established in this College. To the course of Law are added three subsidiary courses or sections namely, in English, French and German Law, to be studied in those languages respectively.

The new courses extending over four years, are prescribed for the present 1st and 2nd year students, and in future for all students of the College.

1. Law.

2. Politics.

1—LAW.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Law.....	1	1	1
Civil Code.....	4	4	4
Criminal Code.....	4	4	4
Roman Law.....	5	5	5
Civil Code.....	2	2	2

1ST SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
English Law of Contract.....	4	4	4
English Law of Torts.....	2	2	2

2ND SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
French Law	4	4	4

3RD SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of German Law	2	2	2
Pandekten	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Civil Code	4	4	4
Code of Criminal Procedure	3	3	3
Civil Code	2	2	2
Constitution	3	3	3
Public International Law	3	3	3

1ST SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
English Law of Property	2	2	2
English Commercial Law	4	4	4

2ND SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
French Law	4	4	4

3RD SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Pandekten and Practical Exercises ...	2	2	2
German Private Law	2	2	2

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Civil Code.....	3	3	3
Commercial Code.....	3	3	3
Code of Civil Procedure and Judicial Organisation	3	3	3
Civil Code	2	2	2
Administrative Law	4	4	4
Exercises in Civil and Criminal Plead- ings.			

1ST SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
English Commercial Law	2	2	2
English Law of Procedure	2	2	2
English Law of Evidence	2	2	2

2ND SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
French Law	2	2	2
History of French Law	2	2	2

3RD SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
German Commercial Law	3	3	3
Exercises in Pandekten Law.....	1	1	1

FORTH YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Civil Code	3	3	3
Commercial Code	3	3	3

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Private International Law	3	3	3
Jurisprudence	2	2	2
Criminal Code	2	2	2
History of Legal Institutions of Japan	2	2	2
Medical Jurisprudence (Optional) . . .	1	1	1
Exercises in Civil and Criminal Pleadings.			

1ST SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
English Law of Equity	3	3	3

2ND SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
French Law	2	2	2
History of French Law	2	2	2

3RD SUBSIDIARY SECTION.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
German Public and Administrative Law	3	3	3
German Bankruptcy Law	1	1	1

2—POLITICS.

1ST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Politics	2	2	2
Political Economy	3	3	3

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Statistics	1	1	1
History of Institutions.....	3	3	3
History of Politics.....	3	3	3
English, French, and German Constitu- tions	3	3	3
Criminal Code	4	4	4

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Constitution	3	3	3
Political Economy.....	5	5	5
Administrative Law.....	3	3	3
Public International Law.....	3	3	3
Civil Code.....	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Finance	3	3	3
History of Political Economy	2	2	2
Administrative Law.....	3	3	3
Civil Code	3	3	3
Commercial Code.....	2	2	2
Sociology	3	3	3

FOURTH YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of Legal Institutions of Japan	2	2	2
Political Economy and Seminary ex- ercises in Political Economy...	3	3	3
History of Political Economy	2	2	2
Administrative Law.....	3	3	3

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Law of Administrative Justice	2	2	2
Finance	3	3	3
Private International Law	3	3	3

Students of the present 3rd year class are required to take the following course instead of the course above mentioned.

LAW.

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Civil Code	3	3	3
Commercial Code.....	5	5	5
Civil Code	2	2	2
Jurisprudence	2	2	2
Constitution	3	3	3
Administrative Law.....	3	3	3
International Law.....	2	2	2
Medical Jurisprudence (Optional)....	1	1	1
Exercises in Civil and Criminal Plead- ings.			

1ST SUBSIDIARY COURSE.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
English Law of Evidence	2	2	2
English Law of Equity.....	2	2	2

2ND SUBSIDIARY COURSE.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
French Law.....	4	4	4

COLLEGE OF LAW.

vi

3RD SUBSIDIARY COURSE.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
German Private and Bankruptcy Law.	2	2	2
Practical Exercises in Pandekten.	1	1	1
Practical Exercises in German Civil Pleadings	2	2	2

POLITICS.

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of Political Economy	2	2	2
Applied Political Economy	2	2	2
Administrative Law	3	3	3
History of Legal Institutions	3	3	3
History of Legal Institutions of Japan	2	2	2
Finance and Political Economy	4	4	4
Seminary Exercises in Political Econo- my.	2	2	2
Finance.	2	2	2
International Law.	2	2	2

XII. COLLEGE OF MEDICINE.

I. OFFICERS.

DIRECTOR.

Professor KENJI ŌSAWA, *Igakuhakushi*, M.D. (Strassburg University).

PROFESSORS.

*HIIZU MIYAKE, *Igakuhakushi*. . . *Pathology and Medical History*.

JULIUS SCRIBA, M.D. (Heidelberg University)
Surgery and Clinical Surgery.

KAZUMI TAGUCHI, *Igakuhakushi* *Anatomy and Topographical Anatomy.*

KENJI ŌSAWA, *Igakuhakushi*, M.D. (Strassburg University) . .
Physiology.

HOGARA UNO, *Igakushi*, *Igakuhakushi*
Surgery, Sermatologie and Syphilis.

MASAKICHI SASAKI, *Igakushi*, *Igakuhakushi* *Medicine.*

MASANORI OGATA, *Igakushi*, *Igakuhakushi* *Hygiene.*

YOSHIKIYO KOGANEI, *Igakushi*, *Igakuhakushi*
Anatomy, Histology and Embriology

JUNTARŌ TAKAHASHI, *Igakushi*, *Igakuhakushi* *Pharmacology.*

HAJIME SAKAKI, *Igakushi*, *Igakuhakushi* *Psychiatry.*

MORIJI MIURA, *Igakushi*, *Igakuhakushi* M.D. (Berlin University) *Pathology and Pathological Anatomy.*

JUNICHIRO SHIMOYAMA, *Seiyakushi*, Ph.D. (Strassburg University)

*The names of professors, assistant professors, and assistants are arranged according to seniority of appointment

sity)	<i>Pharmacy.</i>
KEIZŌ TAMBA, <i>Seiyakushi</i> , Ph.D. (Erlangen University).....	<i>Pharmacy.</i>
TANEMICHI AOYAMA, <i>Igakushi</i> , <i>Igakuhakushi</i>	<i>Medicine.</i>
SANKICHI SATŌ, <i>Igakushi</i> , <i>Igakuhakushi</i>	<i>Surgery.</i>
GENTAKU HAMADA, <i>Igakushi</i> , <i>Igakuhakushi</i>	<i>Gynaecology and Obstetrics.</i>
KUNIYOSHI KATAYAMA, <i>Igakushi</i> , <i>Igakuhakushi</i>	<i>Forensic Medicine.</i>
JIJIRŌ KOMOTO, <i>Igakushi</i> , <i>Igakuhakushi</i>	<i>Ophthalmology.</i>
CHŌ HIROTA, <i>Igakushi</i> , <i>Igakuhakushi</i>	<i>Paediatrics.</i>
SŌYU KUMAKAWA, <i>Igakushi</i> , <i>Igakuhakushi</i>	<i>Medical Chemistry and Physiology.</i>

ASSISTANT-PROFESSORS.

TŌKICHIRO NIWA, <i>Seiyakushi</i>	<i>Pharmacy.</i>
JŌGORŌ ISE, [†] <i>Igakushi</i>	<i>Medicine.</i>
TASUKU KŌNO, <i>Igakushi</i>	<i>Ophthalmology.</i>
†JIRŌ TSUBOI, <i>Igakushi</i>	<i>Hygiene.</i>
†YOSHITO INOKO, <i>Igakushi</i> , <i>Igakuhakushi</i>	<i>Pharmacology.</i>
GAKUTARŌ ŌSAWA, <i>Igakushi</i>	<i>Anatomy.</i>
†KATSUSABURŌ YAMAGIWA, <i>Igakushi</i>	<i>Pathology.</i>
YANAMATSU OKAMOTO, <i>Igakushi</i>	<i>Forensic Medicine.</i>
NENJIRŌ CHIBA, <i>Igakushi</i>	<i>Gynaecology and Obstetrics.</i>

ASSISTANTS.

KIKUN TAKESAKI	<i>Pathology.</i>
†SHUNICHI SHIMAMURA, <i>Igakushi</i>	<i>Psychiatry.</i>
YOSHINORI TASHIRO, <i>Igakushi</i>	<i>Surgery.</i>
WAICHIRO OKADA, <i>Igakushi</i>	<i>Surgery.</i>
YEINOSUKE FUNAOKA, <i>Igakushi</i>	<i>Psychiatry.</i>
BUNTARŌ SUZUKI, <i>Igakushi</i>	<i>Anatomy.</i>

BUNRYŌ MARUMO, <i>Igakushi</i>	<i>Surgery.</i>
HIDEJIRŌ KURIMOTO, <i>Igakushi</i>	<i>Medicine.</i>
TOMOMASA MASUDA, <i>Igakushi</i>	<i>Gynaecology and Obstetrics.</i>
TSUTAI INOUE, <i>Igakushi</i>	<i>Ophthalmology.</i>
TOKUO SUZUKI, <i>Igakushi</i>	<i>Surgery.</i>
SHINKŌ AKANUMA, <i>Igakushi</i>	<i>Medicine.</i>
RAIFU ŌTA, <i>Igakushi</i>	<i>Gynaecology and Obstetrics.</i>
KŌAN TAKATA, <i>Igakushi</i>	<i>Medicine.</i>
KIYOSHI TŌDA, <i>Igakushi</i>	<i>Medicine.</i>
KINICHIRO TAKAHASHI, <i>Igakushi</i>	<i>Surgery.</i>
ORIO TERADA, <i>Igakushi</i>	<i>Surgery.</i>
TADAHIRO NODA, <i>Igakushi</i>	<i>Hygiene.</i>
TSUNEJIRŌ FURUYA, <i>Igakushi</i>	<i>Pharmacy.</i>
RAI WATANABE, <i>Igakushi</i>	<i>Medicine.</i>
YEIZABURŌ SASAKURA, <i>Igakushi</i>	<i>Medicine.</i>
YEINOSUKE KURIBARA, <i>Igakushi</i>	<i>Gynaecology and Obstetrics.</i>
HAYASHI MIYAKE, <i>Igakushi</i>	<i>Surgery.</i>
SUKEHIKO ITŌ, <i>Igakushi</i>	<i>Paediatrics.</i>
ICHLIRŌ KOKAWA, <i>Igakushi</i>	<i>Medicine.</i>
TŌJI KAKO, <i>Igakushi</i>	<i>Ophthalmology.</i>
JUNICHI MUMEHARA, <i>Igakushi</i>	<i>Medicine.</i>

UNPAID ASSISTANTS.

NAGANORI MAJIMA, <i>Igakushi</i>	<i>Medicine.</i>
REN HORI, <i>Igakushi</i>	<i>Medicine.</i>
TOSABURŌ YENDŌ, <i>Igakushi</i>	<i>Surgery.</i>
MASAO YAMAGATA, <i>Igakushi</i>	<i>Medicine.</i>

INSTRUCTORS.

IKUTARŌ HIRAI, <i>Igakushi</i>	<i>Medicine.</i>
TOKUJIRŌ MORI, <i>Igakushi</i>	<i>Kakke.</i>
SHUZŌ KURE, <i>Igakushi</i>	<i>Psychiatry.</i>

KAMETARŌ NAKANISHI, <i>Igakushi</i>	<i>Medicine.</i>
SHOCHIN OGAWA, <i>Igakushi</i>	<i>Gynaecology and Obstetrics.</i>
SHINZŌ ASAHINA, <i>Igakushi</i>	<i>Medicine.</i>
HISASHI KOJIMA, <i>Igakushi</i>	<i>Surgery.</i>
KEIZŌ DOI, <i>Igakushi</i>	<i>Surgery.</i>
TETSUTARŌ IZUMI, <i>Igakushi</i>	<i>Paediatrics.</i>
KENTO TOMINAGA, <i>Igakushi</i>	<i>Physiology.</i>
KEISUKE KATAKURA, <i>Igakushi</i>	<i>Surgery.</i>

EMERITUS PROFESSOR OF IMPERIAL UNIVERSITY.

ERWIN BAEZ, M.D. (*Leipsic University*)
Late professor of the Medical College.

DIRECTOR OF THE HOSPITAL.

Professor TANEMICHI AOYAMA, *Igakushi, Igakuhakushi.*

II. COURSES OF INSTRUCTION.

The courses established in this College are as follows :—

1. Medicine.
2. Pharmacy.

The course of medicine extends over four years and is divided into four classes. The course of Pharmacy extends over three years and is divided into three classes.

MEDICINE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Anatomy	6	6	6

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Anatomy (practical)	6	12	—
Histology	2	2	—
Histology (practical)	—	—	7
Physiology	6	6	6
General Pathology	—	—	5
Pathological Anatomy	—	—	1
General Surgery	—	—	2

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Anatomy (practical)	6	—	—
(Viviparity)	—	2	2
Topographical Anatomy	2	2	—
Pharmacology	3	3	3
Practical Physiology (optional)	—	—	—
Materia Medica	—	2	—
Pharmacology Anatomy	5	5	—
Pathological Histology (practical)....	2	2	—
Diagnosis	—	2	2
General Surgery	2	2	—
Bandaging	—	—	3
Gynæcology	—	—	6
Ophthalmology	—	—	2
(Medical History)	1	1	1
Special Medicine	3	3	3
Special Surgery	2	2	2

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Topographical Anatomy	2	2	—

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Special Medicine.....	3	3	3
Clinical Medicine.....	4	4	4
Out-patient Dispensary (medical)	6	6	6
Special Surgery.....	1	2	3
Clinical Surgery.....	6	6	6
Out-patient Dispensary (surgical)	6	6	6
Obstetrics	5	—	—
Practice on the Mannikin (phantom) ..	—	6	—
Ophthalmology	1	—	2
Hygiene	—	—	2
Forensic Medicine.....	—	—	2

FORTH YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Clinical Medicine.....	4	4	4
Out-patient Dispensary (medical)	6	6	6
Clinical Surgery.....	6	6	6
Out-patient Dispensary (surgical)	4	4	4
Demonstrations in Surgery (practical) —	—	—	3
Clinical Gynæcology and Obstetrics ..	1	1	1
Out-patient Dispensary (Gynæcology and Obstetrics).....	(6)	(6)	(6)
Ophthalmology	1	—	—
Clinical Ophthalmology	1	1	1
Out-patient Dispensary (Ophthalmolo- gy)	(6)	(6)	(6)
Dermatology and Syphilis.....	2	2	2
Psychiatry	2	2	1
Hygiene.....	2	2	—
Forensic Medicine.....	2	2	—
Clinical Paediatrics.....	1	1	1
Out-patient Dispensary (Paediatrics) .	(6)	(6)	(6)

N.B. The hours in brackets show that the students are at liberty to choose any one of the subjects to which the bracketed hours are attached.

Though students are required to attend one of those subjects, they are not examined in them at the end of the year.

PHARMACY.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Pharmaceutical Chemistry	5	5	—
Botanical Anatomy	2	—	—
Medical Botany	—	—	3
Botany (practical)	—	—	5
Dispensing	3	—	—
Dispensing (practical)	12	—	—
Organic Chemistry	—	2	3
Practice in the Japanese Pharmacopœia	—	18	18

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Dispensing (practical) ..	6	—	6
Botany (practical)	—	—	5
Practice in the Japanese Pharmacopœia	18	—	—
Pharmacography	3	4	—
Microscopy	—	5	—
Forensic Chemistry	2	2	—
Pharmaceutical Preparations	—	18	18
Sanitary Chemistry	—	—	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Dispensing (practical).....	—	6	—
Practice of Microscope in Pharmacy..	5	—	—
Forensic Chemistry (practical)	8	8	—
Pharmaceutical Preparations (practical)	18	18	—
Sanitary Chemistry (practical).....	—	—	12
Analysis of Medical Plants	—	—	12
Laws affecting Apothecaries	—	—	1

Students who have passed the fourth year examinations in Medicine or the third year examinations in Pharmacy must undergo also the final examinations.

Regulations for the final examinations in Medicine are given below.

REGULATIONS FOR FINAL EXAMINATIONS.

Art. 1. The Final Examinations for students of the graduating class in the course of Medicine in the College of Medicine are held in accordance with the following regulations :—

EXAMINERS.

Art. 2. Examiners are appointed from amongst the professors of the College.

EXAMINATION TERM.

Art. 3. The Final Examinations begin in the month of September in each year, and end in the following

March, and candidates for examination must send in their applications to the Director of the College, not later than the last day of August. The days for examination on each subject are announced previously.

SUBJECTS OF EXAMINATION.

Art. 4. The subjects of examination are divided into three sections :—

- I. Anatomical and Physiological,
- II. Surgical and Ophthalmological,
- III. Medical and Obstetrical.

Candidates are required to undergo examinations in these sections in the order above mentioned.

Art. 5. Section I.—The Anatomical and Physiological Examinations are divided into three parts :—

- A. Anatomy (Anatomy, Histology, Topographical Anatomy),
- B. Physiology.
- C. Pathology.

The examinations in this section continue for a period of three working days, Sundays and holidays being excepted, and this period is divided into four terms. The first two terms are devoted to Anatomy and the last two to Physiology and Pathological Anatomy. In each term, not more than eight candidates are examined at one time.

A.—Anatomy.

(a.) In the first term, each candidate must take up certain questions on Osteology and Spranchnology which fall to him by lot, and give full explanations of the specimens laid before him.

The Examiners select from 12 to 15 questions on

these subjects, at the beginning of the term in each year.

(b.) In the second term, each candidate must take up certain questions on Histology which fall to him by lot, and answer such questions, using the microscope to explain the specimens laid before him.

The Examiners select from 10 to 12 questions on this subject at the beginning of the term in each year.

B.—Physiology.

In the examination in Physiology, each candidate is required to answer the questions which have fallen to him by lot.

The Examiners select about 20 questions on this subject at the beginning of the term in each year.

C.—Pathological Anatomy.

(a.) Each candidate is examined in the practical autopsy of at least one cavity and is required to give explanations of some specimens, making use if necessary of the microscope.

(b.) Each candidate must take up some questions on Pathology and Pathological Anatomy assigned to him by lot, and give answers to them with full explanations.

The Examiners select 15 questions on these subject at the beginning of the term in each year.

Certificates in terms of the following schedule are given by the Examiners to candidates who have passed successfully the examinations in Anatomy and Physiology.

Schedule.

To Mr.....of.....

born on....day,....month,....year.

This is to certify that the said Mr.....has passed the final examinations in Anatomy and Physiology held for.....days, from.....to.....with the following result.

Marks.

Osteology and Spranchnology	
Histology	
Physiology	
Pathological Anatomy	
Total	
(Signed)	
.....	
.....	
.....	

EXAMINERS.

COLLEGE OF MEDICINE.

(Date.)

N.B.—A candidate having obtained this certificate must immediately report himself to the Director of the College and present the certificate to the Examiners of the section next in order, within three days from the date of this certificate; and he must be ready to undergo examinations in the following section after one week has elapsed from the completion of the examinations in the previous section, unless some occurrence intervenes of a nature serious enough to justify his absence.

A candidate who fails to comply with this regula-

tion is not allowed to enter for further examinations during the same academic year.

Art. 6. Section II.—The Surgical and Ophthalmological Examinations are divided into three parts :—

A. Surgery (Surgery, Dermatology and Syphilis).

B. Ophthalmology,

C. Pharmacology.

The examinations in this section continue for a period of twelve working days, Sundays and holidays being excepted, and this period is divided into four terms. The first two terms are devoted to Surgery and the last two to Ophthalmology and Pharmacology. In each term not more than four candidates are examined at one time.

A.—The examinations in Surgery are (a) Clinical and (b) Theoretical.

(a.) In the clinical examinations, each candidate is required to treat one or two patients during a period of one week. During the first and second days of the examination term, each candidate must examine one of the surgical cases in the wards, and give explanations before the Examiners regarding its cause, diagnosis, prognosis and treatment, and he must record these explanations in a journal for presentation on the following morning. During the succeeding six days, he is required to attend the patient in his charge in company with Examiners and describe in a journal the details of the patient's case. At the close of one week from the beginning of the examination term, he must present to the

Examiners a complete clinical journal, accompanied by his own epicrisis on the same.

During the whole term of examination, candidates are also required to attend all the clinical lectures held by one of the Examiners, and to accompany him in his visits to the wards. This will afford the Examiners frequent opportunities of testing the efficiency of candidates, as each candidate is liable to be called upon by them to examine any of the surgical cases in the wards.

(b.) A theoretical examination is held in the same week as the clinical examination, its term being specially fixed. Each candidate must answer one question, assigned to him by lot, on general, and another question on special, surgery. The Examiners select 24 questions on clinical and the same number on theoretical surgery, at the beginning of the term in each year.

B.—Ophthalmology.

Candidates are examined on some ophthalmological cases.

C.—Pharmacology.

Candidates are required to answer the questions allotted to them and to write a few prescriptions.

The Examiners select 25 questions on this subject at the beginning of the term in each year.

Certificates in terms of the following schedule are given by the Examiners to candidates who have passed successfully the examinations in Surgery and Ophthalmology.

Schedule.

To Mr.....of.....

born on....day....month,....year.

This is to certify that the said Mr.....has passed the final examinations in Surgery and Ophthalmology held for.....days, from.....to.....with the following result.

Marks.

Clinical Surgery.....
 Theoretical Surgery.....
 Ophthalmology.....
 Pharmacology.....
 Total.....
 (Signed).....

.....

EXAMINERS.

COLLEGE OF MEDICINE.

(Date.)

N.B.—See the terms of schedule contained in the foregoing Article.

Art. 7. Section III.—The Medical and Obstetrical Examinations are divided into two parts :—

A. Internal Medicine, (Internal Medicine, Paediatrics.)

B. Obstetrics Gynæcology.

The examinations in this section continue during a period of ten working days, Sundays and holidays being excepted, and this period is divided into four

terms. The first two terms are devoted to Medicine and the last two to Obstetrics and Gynæcology.

In each term, not more than four candidates are examined at one time.

A.—The examinations in Internal Medicine are divided into (a) Clinical and (b) Theoretical.

(a.) In the Clinical examinations, candidates are required to treat one or two patients during a period of one week. On the first and second days, of the examination term, each candidate must examine one medical case, and offer explanations of its cause, diagnosis, prognosis and treatment, in presence of the Examiners, and he must record these explanations in a journal for presentation on the following morning. During the succeeding six days he must attend the patient in his charge, in company with the examiners, and describe the details of the patient's case in his journal. At the close of one week from the beginning of the examination term, he must present to the Examiners a complete clinical journal accompanied by his own epicrisis on the same.

During the whole examination term, candidates are required to attend all the clinical lectures held by one of the examiners, and to accompany him in his visits to the wards. This will afford the examiners frequent opportunities of testing the efficiency of candidates, as each candidate is liable to be called upon by them to examine any of the medical cases in the wards.

(b.) The theoretical examination shall be held in

the same week as the clinical examination, the time for it being specially arranged, and each candidate is required to answer the questions on special pathology which have fallen to him by lot.

The Examiners select from 25 to 30 questions on this subject at the beginning of the term in each year.

B.—The examination in Obstetrics and Gynæcology is principally of a clinical nature. Candidates are examined in cases of confinement, the labouring or puerperal state, or in some Gynæcological cases and on the obstetrical phantom. Candidates may be required to answer the questions on the theory of these subjects which have fallen to them.

The Examiners select 15 questions on these subjects at the beginning of the term in each year.

Certificates in terms of the following schedule are given by the Examiners to candidates who have successfully passed the examinations in Medicine and Obstetrics.

Schedule.

To Mr. of

born on day, month, year.

This is to certify that the said Mr. has passed the final examinations in Medicine and Obstetrics held for days, from to, with the following result.

Marks.

Clinical Medicine

Theoretical Medicine
 Obstetrics and Gynæcology
 Total.....

(Signed)

.....

EXAMINERS.

COLLEGE OF MEDICINE.

(Date.)

N.B.—Those who have successfully passed the examinations must present to the Director of the College the certificates given by the Examiners.

RESULTS OF EXAMINATIONS.

Art. 8. The results of examinations both clinical and theoretical in each subject are marked as follows, according to the degree of efficiency :—

excellent, very good, good, tolerable, and bad.

Art. 9. The result of an examination in one section is determined by the marks obtained for each part of that section, in the following manner :—

The mark *excellent* has the value 5 ; *very good*, the value 4 ; *good*, 3 ; *tolerable*, 2 ; and *bad*, 1. In cases of re-examination in any one section, no higher mark than "*good*=3" shall be given.

Art. 10. The position of a candidate is determined by the total of the marks obtained in the three section, viz :
A.—Anatomy and Physiology, *B.*—Surgery and Ophthalmology, and *C.*—Medicine and Obstetrics.
 The mark "*excellent*=5" for the whole results of a

final examination, is not given except when the candidate has obtained the mark "*very good*=4" in all sections and in all parts of the same.

RE-EXAMINATION.

Art. 11. Those who have obtained the mark "*bad*=1" in all parts of one section are not to be allowed to present themselves for further examination during that term, but will be re-examined in the following year in the whole of that section.

Those who have obtained the mark "*tolerable*=2" for any two of the sections, are treated as in the above case.

Art. 12. A candidate who has failed in the final examinations for the third time is thereby debarred from presenting himself at future examinations.

MISCELLANEOUS.

Art. 13. Any candidate who considers himself unable to attend the final examinations of the current term, by reason of sickness or some other cause which has begun to operate since the date of his application, must inform the Director of the circumstance as early as possible. If any student fails more than twice to undergo the final examinations in the proper terms, he may be dismissed by the Director from the College. Candidates who are unable to attend examinations on the fixed days by reason of sickness or some other cause, must immediately report the circumstance to the Director. Medical certificates have to be presented in case of sickness, and in case of any other cause, the particulars are to be reported

in writing. Such candidates may be specially examined later on in the same term, if the reasons for absence are considered satisfactory ; but should the term be already over, they may be examined in the following year as if no break had occurred. In this case the candidate is in other respects treated exactly as if he had failed, except that he is eligible to receive marks higher than "*bad*=1."

The final examinations for those who have finished the prescribed course in Pharmacy will be held during a period lasting from the 1st of June to the 31st of October of each year.

The regulations for the final examinations in Pharmacy are given below.

REGULATIONS FOR FINAL EXAMINATIONS.

Art. 1. The final Examinations for students of the graduating class in the course of Pharmacy in the College of Medicine are held in accordance with the following regulations :—

EXAMINERS.

Art. 2. Examiners are appointed from amongst the professors and assistant-professors of the College.

EXAMINATION TERM.

Art. 3. The Final Examinations begin on the 1st of June in each year, and end on the 31st of October.

The days for examination on each subject are announced previously.

THESIS.

Art. 4. Candidates who desire to undergo the examinations must present theses containing the results of original investigation to the Director to the College through the Examiners not later than 31st of May in each year.

SYSTEM OF EXAMINATIONS.

Art. 5. The whole examinations are divided into three sections :—

- I. Written Examination,
- II. Practical „
- III. Oral „

Candidates are required to undergo examinations in the order of the sections as above mentioned.

Art. 6. The Written and Practical Examinations are set by a single professor or assistant-professor who has charge of this department of instruction and the Oral Examination by the whole of the Examiners.

In each term not more than five candidates can be examined at one time.

EXAMINATION QUESTIONS.

Art. 7. The questions for Written and Practical Examinations are generally determined by lot.

WRITTEN EXAMINATIONS.

Art. 8. The Written Examinations occupy not more than one week from the first day of the Final Examination, Sundays and holidays being excepted.

The questions for the written Examination, are selected from the following subjects :—

- I. Pharmaceutical Chemistry,
- II. Pharmacognosy,
- III. Dispensing.

In the above subjects each candidate is required to answer in writing four questions in Pharmaceutical Chemistry and Pharmacognosy and two questions in Dispensing.

Half an hour is allowed for answering one question in each subject.

Certificates in terms of the following schedule are given by the Examiners to candidates who have passed successfully the Written Examination.

Schedule.

To Mr.....of.....

born on....day,....month,....year

This is to certify that the said Mr.....has passed the final written examination held for.....days, from.....to.....with the following result.

Marks.

Pharmaceutical Chemistry.....	
Pharmacognosy	
Dispensing	
Total	
(Signed).....	

.....

EXAMINERS.

COLLEGE OF MEDICINE.

(Date.)

PRACTICAL EXAMINATION.

Art. 9. The Practical Examination occupies not more than three weeks.

In the Practical Examinations, questions are set in the following subjects :—

- I. Japanese Pharmacopœia,
- II. Pharmaceutical Preparations,
- III. Dispensing (practical),
- IV. Forensic Chemistry,
- V. Sanitary Chemistry.

In the Japanese Pharmacopœia and Forensic Chemistry, among the subjects of the above practical Examinations, two medicines selected by the Examiners are submitted to each candidate who is required to experiment upon the constituents, and to make out, if necessary, a table of the respective quantities of these constituents.

In Sanitary Chemistry an experiment is set to each candidate.

In Pharmaceutical Preparations (practical) two kinds of medicaments are given to each candidate who is required to prepare the same.

In Dispensing (practical) each candidate is required to dispense the prepared medicines stated in the three questions.

In the Practical Examination a candidate cannot demand more than three articles to be supplied for the examination in any one subject.

Candidates must display minute accuracy in writing

out the formulæ and results in the Practical Examination which they present to the Examiners.

Certificates in terms of the following schedule are given by the Examiners to candidates who have passed successfully in the Practical Examination.

Schedule.

To Mr.....of.....

born on....day,....month,....year.

This is to certify that the said Mr.....has passed the final Practical Examination held for..... days, from.....to.....with the following result.

Marks.

Japanese Pharmacopœia	
Pharmaceutical Preparations	
Dispensing (practical)	
Forensic Chemistry.....	
Sanitary Chemistry.....	
Total.....	

(Signed).....

EXAMINERS.

COLLEGE OF MEDICINE.

(Date.)

ORAL EXAMINATION.

Art. 10. The Oral Examination occupies not more than two days.

In the Oral Examinations questions are set in the following subjects :—

- I. Pharmacography,
- II. Medical Botany,
- III. Organic Chemistry,
- IV. Forensic and Sanitary Chemistry.

In Pharmacography candidates are required to give the names, characters, applications, etc., of the articles of *materia medica*, whereof more than ten are submitted to them by the Examiners.

In Medical Botany candidates are required to name and describe the fresh plants and botanical preparations submitted to them by the Examiners.

In Organic Chemistry candidates are required to state the chemical composition of organic bodies, and class them according to their applications, and also to describe the preparation of organic medicines which have been recently introduced.

In Forensic Chemistry candidates are required to answer questions on the examination of suspected matters for poisons—blood-stains, etc.

In Sanitary Chemistry candidates are required to answer questions on the examination of air, water, soil, &c., for sanitary purposes, and on the inspection of foods.

Certificates in terms of the following schedule are given by the Examiners to candidates who have passed successfully in the Oral Examination.

Schedule.

To Mr. of

born on....day,....month,....year.

*This is to certify that the said Mr.....has
passed the final Oral Examinations held for.....
days, from.....to.....with the following
result.*

Marks.

Pharmacognosy
Medical Botany
Organic Chemistry.....
Forensic Sanitary Chemistry.....
Total.....
(Signed).....
.....
.....
.....

EXAMINERS.

COLLEGE OF MEDICINE.

(Date.)

N.B.—Any one who has obtained this certificate
must immediately report himself to the Director of
of the College.

RESULTS OF FINAL EXAMINATION.

Art. 11. The result of the final examinations in each sub-
ject are marked as follows, according to the degree
of efficiency shown :—

Excellent, very good, good, tolerable, and bad.

Art. 12. The results of examinations are indicated by the
marks obtained for each subject, in the following
manner :—

The mark *excellent* has the value 91 to 100 ; *very*

good, the value of 81 to 90 ; *good*, 71 to 80 ; *tolerable*, 61 to 70 ; and *bad*, 51 to 60. In case of re-examination in any subject no higher mark than *good* is ever given.

Art. 13. The position of a candidate is determined by the total of the results obtained in the separate examinations in each subject.

Art. 14: Those who have obtained a result lower than *tolerable* in the Written and Practical Examinations and those who have obtained the mark *bad* in the Oral Examination are not allowed to present themselves for any further examination during the term, but will be re-examined in the following year in the whole of that portion of the examination in which they have failed.

Art. 15. A candidate who has failed thrice in the final examinations is thereby debarred from presenting himself at any future examination.

Art. 16. Any candidate who considers himself unable to attend the final examinations of the current term, by reason of sickness or some other cause which has begun to operate since the date of his application, must without delay inform the Director of the College of the circumstance. If any student fails more than twice to undergo the final examinations in the proper terms, he may be dismissed by the Director from the College. Candidates who are unable to attend examinations on the fixed days by reason of sickness or some other cause, must immediately report the circumstance to the Director. Medical Certificates must be presented in case of sickness, and in case of any other cause, the particulars must

be reported in writing. Such candidates may be specially examined later on in the same term, if the reasons for absence are considered satisfactory; but should the term be already over, they will be examined in the following year as if no break had occurred. In this case the candidate is in other respects treated exactly as if he had failed, except that he is eligible to receive marks higher than "bad=1."

By-laws to the Regulations for Elective and Post-graduate Students in the College of Medicine have been established as follows:—

BY-LAWS TO THE REGULATIONS FOR
ELECTIVE STUDENTS.

1.—Elective students shall, in all matters, comply with the orders of the professors of the courses of studies which they pursue.

2.—At the close of the first year, after his admission to the elective course, each elective student must present to the professor in charge a written statement of the studies which he has pursued during that period.

3.—If an elective student desires to continue his studies after he has finished one year's study, he must apply for permission to the Director of the College.

4.—Elective students are prohibited, except by special permission of the professors in charge, from treating patients or from using any of the instruments, medicaments, and the like.

BY-LAWS TO THE REGULATIONS FOR POST GRADUATE STUDENTS.

1.—Post-graduate students must in all matters comply with the orders of professor of the course of studies which they pursue.

2.—Post-graduate students who make investigations in the Hospital may be required to discharge the duties of assistants by the professors in charge, or by the Director of the Hospital.

3.—In the Hospital, post-graduate students are prohibited, except by special permission of the Director or of the physicians or surgeons in charge, from treating patients, or from using any of the instruments, medicaments and the like, with the object of treating the patients.

A COURSE OF STATE MEDICINE HAS BEEN ORGANIZED IN THE COLLEGE.

The regulations are as follows:—

Regulations of the Course of Medicine.

1.—The subject of the course are as follows:—

	Hours per week.
Pathological Anatomy	about 3
Hygiene	10
Forensic Medicine	12
Psychiatry	4
National and Public Health Legislation for Medicine	2

2.—The term extends over four months.

3.—The number of candidates to be fixed by the faculty shall be more than 20 and less than 50 each term.

4.—Candidates for admission to the course must have been engaged in practical work besides coming under one of the following categories :—

Graduates of the Medical Section of a Higher Middle School ;

Graduates of the Medical School of Kyōto, Osaka, or Nagoya ;

Graduates of the abridged course of the College of Medicine ;

Graduates of the class A Medical Schools or such as possess proficiency equal to any of the above.

5.—The fee (twelve *yen*) for attendance must be paid in advance and will not in any case be returned to a student even though he may have attended only a fraction of the course.

6.—Notice is given two months beforehand, to those who have entered their names for the course, of the day fixed for assembling.

There are laboratories in the College for prosecuting investigation in the following subjects :—

1. Anatomy.
2. Physiology.
3. Pathology.
4. Pharmacology.
5. Hygiene.
6. Forensic Medicine.
7. Pharmacy.

Those laboratories are provided with everything necessary for demonstration and research.

There are two hospitals called respectively the First Hospital, situated in the University grounds, and the Second

Hospital, situated at Shitaya, which admit such patients as may be deemed instructive cases in medical and surgical practice and investigations.

They contain laboratories for carrying out researches upon subjects relating to the sciences of medicine and surgery.

The First Hospital has seven wards containing one hundred and forty-eight rooms, and is provided with three hundred and forty-nine beds in all ; the ward for medical cases containing 85 beds ; that for surgical cases, 88 ; that for the gynaecological and obstetrical cases, 44 ; that for the eye, 49 ; that for infectious and contagious diseases, 22 that for *Kakke*, 49 ; and that for diseases of children, 12.

The Second Hospital has two wards containing forty rooms, and is provided with one hundred and thirty-five beds in all ; the ward for medical cases containing 68 beds (of which 7 are for infectious and contagious diseases) ; that for surgical cases, 67.

Out-patients of Medical, and Surgical, Cases are treated daily and those of ophthalmological, obstetrical, gynaecological, and paediatric cases every other day, in the First Hospital, Sundays and Holidays excepted.

Out-patients of Medical, and Surgical Cases are treated daily and those of Ophthalmological case every other day in the Second Hospital, Sundays and Holidays excepted.

There are three scales of charges to patients for residence in the Hospital according to the room, accommodation, and kind of food supplied. No charge is made to poor patients for medical and surgical attendance and necessaries. Provision is made during the current academic year for the accommodation at one time of one hund-

red and ten free patients.

Scientific investigations into the nature of "*kakke*," an endemic disease peculiar to this country, were carried on in the late Tōkyō Daigaku and are continued in the present University, and a special ward connected with the First Hospital is open yearly for this purpose from April 1st to November 30th, during which time this malady is most prevalent. In this ward a certain number of beds are provided and out-patients are also treated every other day; and provision is made for the admission of a certain number of free patients.

In Psychiatry, at the request of the Tōkyō-Fu, the chief physician and ordinary physicians are sent from the College to treat patients in the Sugamo Hospital of the Tōkyō-Fu. Excellent opportunities are thus furnished for clinical lectures on Psychiatry, the Hospital containing more than three hundred and forty beds. From the great variety of cases abundant material is supplied for lectures.

At the request of the Tōkyō-Shi-Sanji-Kwai, the chief physician and ordinary physicians are sent to give their services. When rare diatheses are shown by any of the patients, such patients are admitted free to the First Hospital, as presenting cases for the instruction of the students, and furnishing subjects for clinical lectures.

A course of midwifery instruction (Sanba-Yōsei-Jō) extending over ten months has been established in the Gynecological lecture-room in the First Hospital, and a special professor and assistant have been appointed to undertake the teaching there with the object of training competent midwives.

A course of instruction for hospital Nurses (Kanbyō-

Hô-Kôshu-Kwa), extending over one year, has been established in the First Hospital for those who desire to become nurses of the same hospital. Those who are not in the hospital are also admitted to the course.

XIII. COLLEGE OF ENGINEERING.

I. OFFICERS.

DIRECTOR.

Professor KAUY Fourouitsi, *Kōgakuhakushi*, Ingénieur des arts et manufactures, Licencié ès sciences.

PROFESSORS.

JOHN MILNE, F. R. S., F. G. S., Hon. Fellow of King's College (London), Royal School of Mines (London), Memb. Midland Inst. Min. E. *Mining.*

CHARLES DICKINSON WEST, M. A., C. E. (Dublin University), M. I. Mech. E. (London) *Mechanical Engineering.*

TOYOKICHI TAKAMATSU, *Rigakushi*, *Kōgakuhakushi*, F. C. S. (Lodon and Berlin), M. S. C. I. (London) *Applied Chemistry.*

WATARU WATANABE, *Rigakushi*, *Kōgakuhakushi* *Mining and Metallurgy.*

SHINROKURŌ MIYOSHI, *Kōgakushi*, *Kōgakuhakushi* *Naval Architecture.*

KINGO TOKUNO, *Kōgakushi*, *Kōgakuhakushi* *Architecture.*

KAUY FOUROITSI, *Kōgakuhakushi*, Ingénieur des arts et manufactures, Licencié ès sciences *Civil Engineering.*

IWATA NAKASAWA, *Rigakushi*, *Kōgakushi* ... *Applied Chemistry.*

WILLIAM KINNINMOND BURTON, C. E. Memb. Sanitary Institute. *Sanitary Engineering.*

- JIRŌ MIYABARA, Marine Engineer. (Royal Naval College, Greenwich) *Naval Architecture.*
- NORIYUKI KOJIMA, B. Archt. (Cornell University).....
Architecture.
- KAGEYOSHI NORO, *Rigakushi, Kōgakuhakushi*.....
Mining and Metallurgy.
- BUNJI MANO, *Kōgakushi, Kōgakuhakushi, M. I. Mech. E. (London)*.....
Mechanical Engineering.
- MORIYUKI AKIMOTO *Technology of Arms.*
- TOYOTA ISHIDO, *Rigakushi*..... *Technology of Explosives.*
- SAKURO TANABE, *Kōgakushi, Kōgakuhakushi*.....
Civil Engineering.
- WATARU SHIMIZU, *Rigakushi, Kōgakuhakushi*.....
Civil Engineering.
- HATSUNE NAKANO, *Kōgakushi, M. Sc. (Cornell University), Foreign Memb. I. E. E. (London)*.....
Electrical Engineering.

ASSISTANT-PROFESSORS.

- MICHTADA KAWAKITA, *Kōgakushi, F. C. S. (London)*.....
Applied Chemistry.
- ARIYA INOKUTY, *Kōgakushi*..... *Mechanical Engineering.*
- IWAICHIRO SHIDZUKI, *Kōgakushi, M. S. C. I. (London)*.....
Applied Chemistry.
- GITARŌ YAMAKAWA, *Kōgakushi*..... *Electrical Engineering.*
- TATSUTARŌ NAKAMURA, *Kōgakushi*..... *Architecture.*
- UMESABURŌ OGAWA, *Kōgakushi*..... *Civil Engineering.*
- MIYAGORŌ ONDA, *Kōgakushi*..... *Mining and Metallurgy.*
- HIDESABURŌ NAKAYAMA, *Kōgakushi*..... *Civil Engineering.*
- KEIKICHI ISHII, *Kōgakushi*..... *Architecture.*
- SEIICHI TERANO, *Kōgakushi*..... *Naval Architecture.*

LECTURERS.

IOHISUKE FUJIOKA, *Kōgakushi*, *Kōgakuhakushi*, Foreign Memb.

..... I. E. E. (London), Hon. Memb. N. E. L. A. (U. S. A)..

Electrical Engineering.

YOSHITSUGU KURATA, *Rigakushi*..... *Civil Engineering.*

KIYOYOSHI KIGO..... *Architecture.*

HISASHI MATSUOKA..... *Architecture.*

TATSUZŌ SONE, *Kōgakushi*..... *Architecture.*

KIYOSHI SAWAI, *Rigakushi*..... *Electrical Engineering.*

TATSUKURŌ INOUE, *Hōgakushi*..... *Industrial Economy*

and Administrative Laws affecting Engineering Works.

II. COURSES OF INSTRUCTION.

The following nine courses, each of which extends over three years, have been established in this College :—

1. Civil Engineering.
2. Mechanical Engineering.
3. Naval Architecture.
4. Technology of Arms.
5. Electrical Engineering.
6. Architecture.
7. Applied Chemistry.
8. Technology of Explosives.
9. Mining and Metallurgy.

1.—CIVIL ENGINEERING.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mathematics.....	3	3	—
Physics.....	2	2	2

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Kinetics	1	1	1
Strength of Material and of Structures.	3	2	—
Steam Engine.....	2	2	2
Mechanism	1	1	1
Hydraulic Machinery	—	—	2
Geology.....	2	2	—
Surveying, Road-making and Execution of works	3	3	3
Bridges	—	—	3
Graphic Statics	4	4	4
Field and Office Works	17	17	20

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Hydraulic Engineering	4	4	4
Railways and Bridges	3	3	3
Sanitary Engineering	5	5	5
Building Constructions	2	2	—
Geodesy	—	2	2
Seismology	2	—	—
Industrial Economy	2	2	—
Designs and Drawing	17	17	21

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Civil Engineering	Excursion.—	—	Designs & Theses.
Hydraulic Engineering	—	4	—
Railways and Bridges	—	3	—
Administrative Laws affecting Engineering Works	—	2	—
Designs and Drawing	—	26	—

2.—MECHANICAL ENGINEERING.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mathematics	3	3	—
Physics	2	2	2
Kinetics	1	1	1
Strength of Materials and of Structures.....	3	2	—
Steam Engine.....	2	2	2
Mechanism	1	1	1
Hydraulic Machinery	—	—	2
Workshop Appliances.....	1½	1½	1½
Graphic Statics.....	2	2	2
Designs, Drawing and Practice	20	20	24

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mechanical Engineering	3	3	Excursions.
Dynamos and Motors	2	2	—
Mechanical and Metallurgical Technology	2	2	—
Hydraulic Machinery	1	1	—
Industrial Economy	2	2	—
Designs, Drawing and Practice	25	25	—

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mechanical Engineering.....	Excursions.	Excursions.	Designs & Theses.
Special extra Lectures	—	—	1

3.—NAVAL ARCHITECTURE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mathematics	3	3	—
Physics	2	2	2
Kinetics	1	1	1
Strength of Materials and of Structures.....	3	2	—
Steam Engine.....	2	2	2
Mechanism	1	1	1
Naval Architecture	3	3	5
Graphic Statics	2	2	2
Naval Architecture, Designs and Drawing	16	16	20
Marine Engine Designs and Drawing.	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Naval Architecture	4½	5½	5½
Marine Engines	2	2	2
Hydraulic Machinery	1	1	2
Workshop Appliances.....	1½	1½	1½
Industrial Economy	2	2	—
Naval Architecture Designs and Drawing	21	21	21
Marine Engine Designs and Drawing.	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Naval Architecture	Excursions.	5½	Designs & Theses.
Marine Engines.....	—	2	—

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Naval Architecture Designs and Drawing	25	—	—
Marine Engine Designs and Drawing.	3	—	—

4.—TECHNOLOGY OF ARMS.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mathematics	3	3	—
Physics	2	2	2
Kinetics	1	1	1
Strength of Materials and of Structures.....	3	2	—
Mechanism	1	1	1
Steam Engine.....	2	2	2
Technology of Explosives	2	—	—
Interior Ballistics.....	2	—	—
Arms and their Constructions.....	4	4	4
Metallurgy of Iron	2	2	2
Graphic Statics.....	2	2	2
Chemical Laboratory	11	11	11
Drawing	—	5	10

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Exterior Ballistics.....	3	3	—
Pyrotechny.....	2	—	—
Theory of Projectiles	—	2	—
Construction and Strength of Gun-Carriage.....	—	—	2

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Naval Architecture	1	1	—
Workshop Appliances	1½	1½	1½
Mechanical and Metallurgical Techno- logy	2	2	2
Fabrication of Gun-Carriage and of Projectiles	—	—	2
Building Constructions	2	2	—
Hydraulic Machinery	—	—	2
Industrial Economy	2	2	—
Chemical Laboratory	10	10	10
Designs and Drawing	12	12	16

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Technology of Arms	Excursion,—	—	Thesis.
Effect of Arms	—	3	—
Torpedoes	—	1	—
Explosives	—	2	—
Special extra Lectures	—	2	—
Designs and Drawing	—	27	—

5.—ELECTRICAL ENGINEERING.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mathematics	3	3	—
Physics	2	2	2
Kinetics	1	1	1
Strength of Materials and of Struc- tures	3	2	—

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Steam Engine.....	2	2	2
Mechanism	1	1	1
Electricity, Magnetism and their Minor Applications	3	3	2
Telegraphy.....	2	2	3
Physical and Electrical Laboratory...	8	8	18
Graphic Statics	2	2	2
Mechanical Drawing.....	4	4	4
Chemical Laboratory	6	6	—

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Telephony.....	1	1	1
Electric Power.....	2	2	2
Electric Lighting	2	2	2
Dynamos and Motors.....	2	2	2
Electric and Magnetic Measurements.	1	1	1
Mechanical Engineering	2	2	—
Hydraulic Machinery	—	—	2
Industrial Economy	2	2	—
Physical and Electrical Laboratory ..	15	15	15
Drawing	10	10	10

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Electrical Engineering.....	Excursions.	Practice, Designs & Drawing.	Thesis.
Special extra Lectures	—	1	—

6.—ARCHITECTURE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mathematics	3	3	—
Physics	2	2	2
Steam Engine.....	2	2	2
Strength of Materials and of Struc- ture	3	2	—
Surveying	3	—	—
Geology.....	2	2	—
Building Materials	2	—	—
Perspective	1	—	—
Building Constructions	2	2	—
History of Architecture.....	1½	3	3
Freehand Drawing	4	4	4
Japanese Architecture	—	—	3
Graphic Statics	2	2	2
Drawing and Perspective Practice....	10	—	—
Designs and Drawing	—	15	20

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Sanitary Engineering.....	2	2	2
Decoration	1½	—	—
Vaulting and Architectural Physics...½	—	—	—
Japanese Architecture	3	3	—
Special Designing	3	1½	1½
Specifications, Estimates and Profes- sional Practice	—	—	3
Mechanical and Metallurgical Tech- nology	2	2	2

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Seismology	2	—	—
Freehand Drawing	4	4	4
Decorative Drawing	6	6	6
Designs and Drawing	12	18	18

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Architecture.	Excursions.—		Designs & Thesis.
Building Laws.	—	1½	—
Execution of Works	—	1	—
Decorative Drawing	—	12	—
Æsthetics	—	2	—
Freehand Drawing	—	4	—
Designs and Drawing	—	15	—

7.—APPLIED CHEMISTRY.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mineralogy	2	2	—
Physics	2	2	2
Steam Engine	2	2	2
Mechanism	1	1	1
Hydraulic Machinery	—	—	2
Organic Chemistry	4	3	—
Qualitative Analysis	20	20	—
Quantitative Analysis	—	—	13
Applied Chemistry	—	2	6

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Metallurgy	—	—	4
Physical Laboratory	6	6	—
Mechanical Drawing	—	—	8

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Building Constructions.	2	2	—
Applied Chemistry	5	5	5
Metallurgy	3	3	3
Quantitative Analysis	22	22	—
Technical Analysis	—	—	20
Determination of Minerals	1	1	—
Blowpipe Analysis	2	2	—
Mechanical Drawing	—	—	8

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Applied Chemistry	5	5	5
History of Chemistry	—	—	2
Assaying	8	8	—
Mechanical and Metallurgical Tech- nology	2	2	2
Applied Chemistry Laboratory	17	—	—
Designs and Drawing	6	—	—
Applied Chemistry	—	Thesis.	Thesis.

8.—TECHNOLOGY OF EXPLOSIVES.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mathematics	3	3	—
Physics	2	2	2
Kinetics	1	1	1
Strength of Materials and of Structures.	3	2	—
Mechanism	1	1	1
Steam Engine	2	2	2
Arms	2	—	—
Interior Ballistics	2	—	—
Technology of Explosives	2	2	2
Organic Chemistry	3	3	3
Hydraulic Machinery	—	—	2
Graphic Statics	2	2	2
Chemical Laboratory	10	10	10
Drawing	3	7	10

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Exterior Ballistics	3	3	—
Workshop Appliances	1½	1½	1½
Theory of Projectiles	—	2	—
Pyrotechny	2	—	—
Technology of Explosives	2	2	—
Applied Chemistry	2	2	2
Building Constructions	2	2	—
Industrial Economy	2	—	—
Chemical Laboratory	10	10	17
Drawing	11	15	15

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Technology of Explosives	Excursions. —		Thesis.
Explosives	—	2	—
Torpedoes	—	1	—
Special extra Lectures	—	2	—
Designs and Drawing	—	30	—

9.—MINING AND METALLURGY.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mining	4	4	4
Mineralogy	2	2	—
Metallurgy	—	—	4
Geology	2	2	—
Steam Engine	2	2	2
Mechanism	1	1	1
Building Constructions	2	2	—
Surveying	3	—	—
Determinations of Minerals	1	1	1
Qualitative Analysis	12	12	12
Drawing	6	10	10

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mine Survey	2	2	—
Metallurgy	3	3	3
Metallurgy of Iron	2	2	2

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Dressing	3	3	—
Hydraulic Machinery	—	—	2
Determination of Minerals	1	1	1
Assaying	8	8	8
Blowpipe Analysis	2	2	3
Quantitative Analysis	14	14	16

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Mining and Metallurgy	Excursions.	—	Thesis.
Ore Deposits	—	3	—
Mechanical and Metallurgical Techno- logy	2	2	2
Mining Laws	—	2	2
Metallurgical Experiments	—	7	—
Engineering Practice	—	3	—
Mining Designing	—	7	8
Metallurgical Designing	—	7	8
Iron Metallurgical Designing	—	7	8

XIV. COLLEGE OF LITELATURE.

I. OFFICERS.

DIRECTOR.

Professor MASAKAZU TOYAMA, *Bungakuhakushi*, M.A. (Michigan University).

ACTING CHIEF PROFESSOR.

Professor MASAKAZU TOYAMA, *Bungakuhakushi*, M.A. (Michigan University).

PROFESSORS.

MASAKAZU TOYAMA, *Bungakuhakushi*, M.A. (Michigan University) *Sociology*.
 CHŌREI SHIMADA, *Bungakuhakushi*
 Chinese Literature, Chinese Philosophy, Chinese
 History and Institutions, and History of
 Legal Institutions of China.
 TAKAMI MOZUME *Japanese Language and Literature*.
 NAIBU KANDA, M.A. (Amherst College) *Greek and Latin*.
 LUDWIG BUSSE, *Magister Artium Liberalium*, Doctor Philosophiae (Berlin University) *Aesthetics*,
 History of Art., General Introduction to Philosophy
 and History of European Philosophy.
 LUDWIG RIESS, *Magister Artium Liberalium*, Doctor Philosophiae (Berlin University) *History and Geography*.

- HISASHI HOSHINO, *Bungakuhakushi* *Diplomatics
Chinese Literature, Japanese History and Geography,
History of Legal Institutions of Japan and History
of Legal Institutions of China.*
- INAGI TANAKA, *Bungakuhakushi.*
- YUJIRO MOTORA, *Bungakuhakushi* Ph. D. (Johns Hopkins
University)..... *Psychology.*
- TETSUJIRÔ INOUË, *Bungakushi, Bungakuhakushi*.....
*Comparative Religion and Oriental Philosophy, and
Philosophy.*
- MASAKOTO KIMURA..... *Japanese Literature.*
- KUMAZÔ TSUBOI, *Bungakushi, Rigakushi, Bungakuhakushi*....
History of Political Institutions and History.
- EMILE HECK, *Licencié er Lettres de la Faculté de Poitiers.*
French Language.
- CARL ADOLF FLORENZ, *Magister Artium Liberalium, Doctor
Philosophiæ (Leipzig University)*.....
*German Language, German Literature, Comparative
Philology, Phonetics and History of Romance
and Teutonic Languages.*
- MASANE HIDAKA, *Bungakushi*..... *Pedagogics.*
- RIKIZO NAKASHIMA, B.A. (Western Reserve University) B.D.,
Ph.D. (Yale University).....
Logic, Ethics, and Theory of Knowledge.
- AUGUSTUS WOOD, *Doctor Philosophiæ (Heidelberg Univer-
sity)*..... *English Language and Literature.*

ASSISTANT PROFESSORS.

- YOSHINARI TANAKA, *Chinese Literature,
Japanese History and Geography, Chinese History and
Institutions, and History of Legal Institutions of
China.*

SANJI MIKAMI, *Bungakushi*.....*Japanese History and Geography, and History of Legal Institutions of Japan.*

LECTURERS.

YASUTSUGU SHIGENO, *Bungakuhakushi*.....*Japanese History and Geography, Chinese History and Institutions, History of Legal Institutions of Japan, and History of Legal Institutions of China.*

KIYONORI KONAKAMURA, *Bungakuhakushi*.....*Japanese Literature and History of Legal Institution of Japan.*

SENSAI MURAKAMI,.....*Buddhism.*

CHUNG TSU FUNG,.....*Chinese.*

KUWASABURO TAKATSU, *Bungakushi*,*Japanese Language and Literature.*

GENPACHI MITSUKURI, *Rigakushi*, Doctor Philosophiæ (Tübingen University).....*History.*

EMERITUS PROFESSOR OF IMPERIAL
UNIVERSITY.

BASIL HALL CHAMBERLAIN,.....
Late professor of the Literature College.

II.—COURSES OF INSTRUCTION.

The following nine courses, each of which extends over three years, have been established in this College :

1. Philosophy.
2. Japanese Literature.
3. Chinese Literature.
4. Japanese History.
5. History.
6. Comparative Philology.
7. English Literature.
8. German Literature.
9. French Literature.

1.—PHILOSOPHY.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Introduction to			
Philosophy	4	0	0
History of European Philosophy	0	5	5
History	3	3	3
Japanese Language	1	1	1
Chinese Literature	3	3	3
Science (Zoology or Geology)	3	3	3
English	3	3	3
German	3	3	3
Latin	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of European Philosophy.....	3	0	0
Logic and Theory of Knowledge.....	0	2	2
History	3	3	3
Sociology.....	3	3	3
Comparative Religion and Oriental Philosophy	2	2	2
Chinese Philosophy	1	1	1
Buddhism	2	2	2
Physiology	3	3	3
Psychology	3	3	3
Ethics	0	3	3
Japanese Literature	2	0	0
German	3	3	3
Latin (optional)	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Aesthetics and History of Art.....	2	2	2
Pedagogics	2	2	2
Philosophy	2	2	2
Comparative Religion and Oriental Philosophy	2	2	2
Chinese Philosophy	2	2	2
Buddhism	2	2	2
Psychiatry	2	2	2
Philosophical Exercises	3	3	3
German	3	3	3
*Ethics.....	3	3	3
*Psychology (Psycho-physics)	3	3	3

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
*Sociology	3	3	3
*Greek	3	3	3

2.—JAPANESE LITERATURE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Introduction to Philosophy..	4	0	0
History of European Philosophy	0	5	5
History	3	3	3
Japanese History	2	2	2
History of Legal Institutions of Japan	2	2	2
Japanese Literature	4	4	4
Chinese Literature.....	1	1	1
Japanese Language	4	4	4
English, French or German	3	3	3

SECOND YEAR,

History of European Philosophy	3	0	0
Psychology	0	3	3
History	3	3	3
Comparative Religion and Oriental Philosophy	2	2	2
Buddhism	2	2	2
Japanese History.....	2	2	2
History of Legal Institutions of Japan	2	2	2
Japanese Literature	4	4	4

* Any one of these to be selected.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Chinese History.....	1	1	1
Japanese Language	4	4	4
English, French or German	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Ethics	0	3	3
Aesthetics and History of Art.....	2	2	2
Pedagogics	2	2	2
Comparative Philology.....	2	2	2
Comparative Religion and Oriental Philosophy	2	2	2
Chinese Philosophy.....	2	2	2
Sociology	3	3	3
Japanese Literature	3	3	3
Chinese History.....	1	1	1
Japanese Language	5	5	5

3.—CHINESE LITERATURE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Introduction to Philosophy } {	4	0	0
History of European Philosophy } {	0	5	5
History	3	3	3
History of Legal Institutions of Japan	1	1	1
History of Legal Institutions of China	3	3	3
Japanese Language	1	1	1

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Chinese History.....	3	3	3
Chinese Philosophy	3	3	3
Chinese Language(1) and Literature(2)	3	3	3
English, French or German	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of European Philosophy....	3	0	0
Psychology.....	0	3	3
History	3	3	3
Comparative Religion and Oriental Philosophy	2	2	2
Chinese Philosophy	2	2	2
Buddhism	2	2	2
History of Legal Institutions of Japan	1	1	1
History of Legal Institutions of China	3	3	3
Japanese History.....	1	1	1
Japanese Literature	1	1	1
Chinese History.....	3	3	3
Chinese Language(1) and Literature(1)	2	2	2
English, French or German	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Ethics	0	3	3
Aesthetics and History of Art.....	2	2	2
Pedagogics	2	2	2
Comparative Religion and Oriental Philosophy	2	2	2
Chinese Philosophy.....	3	3	

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Buddhism	2	2	2
Sociology.....	3	3	3
Japanese History.....	1	1	1
History of Legal Institutions of China.	2	2	2
Chinese History.....	3	3	3
Chinese Language (1) and Literature			
(1)	2	2	2

4. JAPANESE HISTORY.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Instruction to Philosophy } {	4	0	0
History of European Philosophy } {	0	5	5
History	3	3	3
Japanese History and Geography	5	5	5
History of Legal Institutions of Japan.	2	2	2
Japanese Language	1	1	1
Chinese History and Institutions.....	3	3	3
History of Political Institutions.....	3	3	3
English French or German.....	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of European Philosophy.....	3	0	0
Psychology	0	3	3
History	3	3	3
Japanese History and Geography	5	5	5

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of Legal Institutions of Japan.	4	4	4
Japanese Literature	4	4	4
Chinese History and Literature	2	2	2
History of Political Institutions.....	2	2	2
English, French or German.....	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Ethics	0	3	3
Æsthetics and History of Art.	2	2	2
Pedagogics	2	2	2
*Comparative Philology.....	2	2	2
*History	2	2	2
Comparative Religion and Oriental Philosophy	2	2	2
†Chinese Philosophy.....	2	2	2
†Hindoo Philosophy.....	2	2	2
Sociology.....	3	3	3
Japanese History.....	4	4	4
History of Legal Institutions of Japan.	3	3	3
Chinese History and Institutions.....	1	1	1
Diplomatics.....	1	1	1

5. HISTORY.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Introduction to Philosophy }	4	0	0
History of European Philosophy.. }	0	5	5

* Either of these may be selected.

† do.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Physical Geography	1	1	1
History and Geography	7	7	7
Japanese History	1	1	1
English	3	3	3
German	3	3	3
Latin	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of European Philosophy	3	0	0
Psychology	0	3	3
Comparative Religion and Oriental Philosophy	2	2	2
Sociology	3	3	3
History and Geography	8	8	8
Japanese History	1	1	1
German	3	3	3
Latin	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Ethics	0	3	3
Aesthetics and History of Art.	2	2	2
Pedagogics	2	2	2
History and Geography	8	8	8
Japanese History	1	1	1
Diplomatics	1	1	1
German	3	3	3
Latin	3	3	3

6. COMPARATIVE PHILOLOGY.

FIRST YEAR.

	Hours per week.		
	1st term.	2nd Term.	3rd term.
General Introduction to Philosophy	4	0	0
History of European Philosophy...	0	5	5
History	3	3	3
Japanese Literature	2	2	2
Japanese Language	3	3	3
Chinese Language (1) and Literature (3)	4	4	4
English	3	3	3
German	3	3	3
Latin	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of European Philosophy.....	3	0	0
Psychology	0	3	3
History	3	3	3
Japanese Literature	2	2	2
Japanese Language	2	2	2
Chinese Language (1) and Literature (1).....	2	2	2
Comparative Philology	2	2	2
Phonetics and History of Romance and Teutonic Languages.....	2	2	2
English	3	3	3
German	3	3	3
Latin	2	2	2
Sanskrit (optional)	2	2	2

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Pedagogics	2	2	2
Japanese Literature	2	2	2
Japanese Language	2	2	2
Chinese Language (1) and Literature			
(2)	3	3	3
Comparative Philology.....	2	2	2
Greek Grammar	3	3	3
German	3	3	3
Latin	3	3	3
*French	2	2	2
*Sanskrit	2	2	2

7. ENGLISH LITERATURE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Introduction to Philosophy {	4	0	0
History of European Philosophy... }	0	5	5
History	3	3	3
German	3	3	3
Latin	3	3	3
French	3	3	3
English	7	7	7

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of European Philosophy	3	0	0
Psychology	0	3	3

*Either of these may be selected.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History	3	3	3
Comparative religion and Oriental Philosophy	2	2	2
Phonetics and History of Romance and Teutonic Languages.....	2	2	2
German	3	3	3
Latin.....	3	3	3
English	7	7	7

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Ethics	0	3	3
Æsthetics and History of Art.	2	2	2
Pedagogics	2	2	2
German	3	3	3
Latin	3	3	3
English	9	9	9

8. GERMAN LITERATURE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Introduction to Philosophy	4	0	0
History of European Philosophy	0	5	5
History	3	3	3
English	3	3	3
Latin.....	3	3	3
French	3	3	3
German	7	7	7

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of European Philosophy	3	0	0
Psychology	0	3	3
History	3	3	3
Comparative Religion and Oriental Philosophy	2	2	2
Phonetics and History of Romance and Teutonic Languages	2	2	2
English	3	3	3
Latin	3	3	3
German	7	7	7

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Ethics	0	3	3
Æsthetics and History of Art	2	2	2
Pedagogics	2	2	2
English	3	3	3
Latin	3	3	3
German	9	9	9

9. FRENCH LITERATURE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
General Introduction to Philosophy	4	0	0
History of European Philosophy	0	5	5
History	3	3	3

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
English	3	3	3
German	3	3	3
Latin	3	3	3
French	7	7	7

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
History of European Philosophy	3	0	0
Psychology	0	3	3
History	3	3	3
Comparative Religion and Oriental Philosophy	2	2	2
Phonetics and History of Romance and Teutonic Languages	2	2	2
German	3	3	3
Latin	3	3	3
French	7	7	7

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Ethics	0	3	3
Æsthetics and History of Art.	2	2	2
Pedagogics	2	2	2
German	3	3	3
Latin	3	3	3
French	9	9	9

In addition to the regular courses of the College, the following elective course has been established for the students of this College as well as of the other Colleges.

Those who desire to pursue this elective course must first obtain permission from the Director of the Literature College.

Italian.

2 hours per week.

Lectures may be delivered on subjects not included in the above courses. Certain of the professors have intimated their willingness, when their time admits of it, to accede to requests of this nature, when made by students.

XV. COLLEGE OF SCIENCE.

I. OFFICERS.

DIRECTOR.

Professor DAIROKU KIKUCHI, *Rigakuhakushi*. M. A. (Cantab.)

CHIEF PROFESSOR.

PROFESSORS.

*EDWARD DIVERS, M. D. (Dublin University), F.R.S., F.I.C.,
F.C.S. (London and Berlin) *Chemistry*.

DAIROKU KIKUCHI, *Rigakuhakushi*, M. A. (Cantab.)
Mathematics.

KENJIRŌ YAMAGAWA, *Rigakuhakushi*, Ph. B. (Yale College)...
Physics.

JŌJI SAKURAI, *Rigakuhakushi*, E. C. S. (London).. *Chemistry*.

KAKICHI MITSUKURI, *Rigakuhakushi*, Ph. D. (Johns Hopkins
University) *Zoology*.

HISASHI TERAŌ, *Rigakushi*, *Rigakuhakushi*, Licencié ès sciences
mathématiques, (Faculté des sciences de Paris).....
Astronomy.

BUNJIRŌ KOTŌ, *Rigakushi*, *Rigakuhakushi*, Ph. D. (Leipzig
University), *Geology*.

ISAO IJIMA, *Rigakushi*, *Rigakuhakushi*, Ph. D. (Leipzig Uni-
versity)..... *Zoology*.

DIRŌ KITAO, *Rigakuhakushi*, Ph. D., M. A. L. (Göttingen
University) *Dynamics*.

* The names of Professors, Assistant-professors, Assistants and Lecturers are arranged according to seniority of appointment.

RIKITARŌ FUJISAWA, <i>Rigakushi, Rigakuhakushi</i> , Ph. D. (Strassburg University)	<i>Mathematics.</i>
MATAJIRŌ YOKOYAMA, <i>Rigakushi, Rigakuhakushi</i> ..	<i>Paleontology.</i>
JINZŌ MATSUMURA, <i>Rigakuhakushi</i>	<i>Botany.</i>
AIKITSU TANAKADATE, <i>Rigakushi, Rigakuhakushi</i> , F. R. S. (Edinburgh)	<i>Physics.</i>

ASSISTANT-PROFESSORS.

KANICHIRO MIWA, <i>Rigakushi</i>	<i>Mathematics.</i>
YASUSHI KIKUCHI, <i>Rigakushi</i>	<i>Geology.</i>
SABURŌ ŌKUBO	<i>Botany.</i>
TAMEMASA HAGA, <i>Kōgakushi</i> , F. C. S., M. S. C. I. (London) ..	<i>Chemistry.</i>
HANTARŌ NAGAOKA, <i>Rigakushi</i>	<i>Physics.</i>

LECTURES.

KEISABURŌ ASHINO, <i>Rigakushi</i>	<i>Astronomy.</i>
SEITARŌ GOTŌ, <i>Rigakushi</i>	<i>English.</i>
FUSAKICHI ŌMORI, <i>Rigakushi</i>	<i>Seismology.</i>

II. COURSES OF INSTRUCTION.

The following seven courses, each of which extends over three years, have been established in this College :—

1. Mathematics,
2. Astronomy,
3. Physics,
4. Chemistry.

5. Zoology,
6. Botany,
7. Geology.

1.—MATHEMATICS.

FIRST YEAR.

	Hours per week.
Calculus	5
Analytical Geometry	3
Elementary Dynamics	3-4
Spherical Astronomy	2
Mathematical Exercises	Two afternoons.
Physical Laboratory	Two afternoons.

SECOND YEAR.

	Hours per week.
Higher Analysis	3
Higher Algebra	2
Least Squares	{ 1 1st Term, 2 2nd Term. }
Dynamics	2
Higher Physics	5
Select Chapters in Higher Mathematics (elective)	1-2
Mathematical Exercises	Two afternoons.
Physical Laboratory	Two afternoons.

THIRD YEAR.

	Hours per week.
Introduction to Theory of Functions	3
Dynamics	3

	Hours per week.
Higher Physics	6
Mathematical Exercises	Two afternoons.
Select Chapters in Higher Mathematics (elective)	1-2
Theoretical Astronomy (elective).....	3
Dynamics (elective).....	3

2.—ASTRONOMY.

FIRST YEAR.

	Hours per week.
Calculus	5
Analytical Geometry	3 (1st term).
Elementary Dynamics	3-4
Spherical Astronomy	3
Practical Astronomy	
Mathematical Exercises	Two afternoons.

SECOND YEAR.

	Hours per week.
Higher Analysis	3
Least Squares	{ 1 1st Term. } { 2 2nd Term. }
Dynamics	2
Higher Physics	{ 5 Half a Year. } { 3 Half a Year. }
Astronomy	{ 1 1st and 2nd Terms. } { 4 3rd Term. }
Practice	
Mathematical Exercises	One afternoon.
Physical Laboratory	Three afternoons.

THIRD YEAR.

	Hours per week.
Dynamics.....	3
Theoretical Astronomy.....	3
Mathematical Exercises	Two afternoons.
Practice	
Dynamics (elective).....	3
Introduction to Theory of Functions (elective)	3

3.—PHYSICS.

FIRST YEAR.

	Hours per week.
Calculus	5
Analytical Geometry.....	3 (1st Term).
Elementary Dynamics	3-4
Spherical Astronomy	2
Chemical Laboratory.....	Three afternoons (1st & 2nd Terms).
Physical Laboratory	Three afternoons (3rd Term).
Mathematical Exercises	Two afternoons.

SECOND YEAR.

	Hours per week.
Higher Analysis	3
Least Squares	{ 1st Term. 2nd Term. }
Dynamics	2

	Hours per week.
Higher Physics	5
Mathematical Exercises	One afternoon.
Physical Laboratory.....	

THIRD YEAR.

	Hours per week.
Dynamics	3
Higher Physics	6
Mathematical Exercises.....	Two afternoons.
Practice	4
Physical Laboratory	
Dynamics (elective)	3

4.—CHEMISTRY.

FIRST YEAR.

	Hours per week.
Calculus	3
Elementary Dynamics.....	3-4
Higher Physics	3 (Half of 2nd Term and whole of 3rd Term).
Physiological Chemistry	3 (1st Term).
Chemical Laboratory	

SECOND YEAR.

	Hours per week.
Higher Physics.....	5 (1st and 2nd) Terms.)

	Hours per week.
Physical Laboratory.....	Two afternoons.
Inorganic Chemistry	3
Organic Chemistry	3
Chemical Laboratory	

THIRD YEAR.

	Hours per week.
History of Chemical Theory (elective)...	2 (1st Term.)
Theoretical and Physical Chemistry	2 (2nd and 3rd Terms).
Inorganic Chemistry.....	3
Chemical Laboratory	

5.—ZOOLOGY.

6.—BOTANY.

The students follow the same course during the first and second years.

FIRST YEAR.

	Hours per week.
General Zoology	3
Zoological Laboratory	8
Botany	4
Botanical Laboratory	10
Geology	2
Physiological Chemistry with Laboratory work.....	2 (1st Term).
Determination of Rocks and Minerals ..	2 (2nd and 3rd Term).

SECOND YEAR.

	Hours per week.
Special Subjects (elective).....	2
Botany	4
Botanical Laboratory.....	10
Comparative Anatomy of Vertebrate Animals	{ 2 1st and 3rd Terms. 2 2nd Term. }
Histology and Embryology; Lectures and Laboratory	10
Physiology	3
Paleontology	2
Marine Laboratory	

THIRD YEAR.

ZOOLOGY.

	Hours per week.
Special Subjects (elective).....	2
Zoological Laboratory	
Paleontology (elective)	Two afternoons.
Bacteriological Laboratory.....	Two afternoons. (3rd Term).

BOTANY.

Botanical Colloquium.....	2
Botanical Laboratory	20
Bacteriological Laboratory	Two afternoons. (3rd Term).

7.— GEOLOGY.

FIRST YEAR.

	Hours per week.
Geology	3
Mineralogy	2
Lithology	1
General Zoology	3
Zoological Laboratory	4
Chemical Laboratory	6
Geological Laboratory	
Geological Excursions	

SECOND YEAR.

	Hours per week.
Paleontology	2
Paleontology Laboratory	3
Lithology	1
Crystallography	3
Botany	4
Botanical Laboratory	4
Geological Laboratory	
Geological Excursion	

THIRD YEAR.

	Hours per week.
Geological Laboratory	

In addition to these courses of study, special lectures are given in the Science College for the students of the other colleges, especially for the students of architecture of the Engineering College on the following subject :

Seismology..... {^{2nd and}_{3rd Terms} one hour a week.

Valuable collections of specimens, models, instruments, etc., are attached to the laboratories and placed under the charge of the several professors.

The following institutes are attached to the Science College :—

- (a) Astronomical Observatory,
- (b) Seismological Observatory,
- (c) Botanic Garden,
- (d) Marine Biological Station.

(a). Tōkyō Astronomical Observatory is the result of the union of the Astronomical Observatory of the Science College with the astronomical sections of the Observatories belonging to the Home and Navy Departments. It is situated in the spot formerly occupied by the last mentioned of these, at Azabu, a southern suburb of Tōkyō; the longitude and latitude at present in use being,

Longitude	+	139°	44'	30".3.
Latitude		35°	39'	17".5.

The observatory is under the direction of the Professor of Astronomy of the Science College. The principal work carried on at the Observatory consists of astronomical observations, the constructions of the Ephemerides, and the distribution of the standard mean time to all telegraph stations of the Empire. It also gives the time to the party in charge of the signal gun fired every noon from the Castle grounds in Tōkyō. It assists, when required, in observations necessary for the surveys of the Hydrographical Bureau. It is likewise fitted up for the instruction and practice of the graduate and undergraduate students of the Science College.

The principal instruments are as follows :—

- (i) Transit instrument (by Repsold), aperture 13.5 c. m. ; focal length 217 c. m.
- (ii) Transit Circle (by Repsold and Merz), aperture, 14.3 c. m. ; focal length, 149 c.m. ; rad. of the Circle, 56.4 c. m.
- (iii) Equatorial (by Shrougton and Smith), aperture, 20 c. m. ; focal length, 270 c. m.
- (iv) Equatorial (by Merz), aperture, 16.2. c. m. ; focal length, 245 c. m.

(b). The Seismological Observatory was founded in 1880 for the study of earthquake phenomena, under the superintendence of Prof. J. A. Ewing, then occupying the chair of Engineering in Tōkyō University. Here have been designed Horizontal-Pendulum and Vertical-Motion Seismographs now well known in the scientific world. By means of these instruments, numerous absolute measurements of earthquake motions have been obtained. The general results of these observations, embodying much that is new and valuable, are published from time to time both in English and Japanese.

By aid of the complete set of seismographs now in the Observatory, it is possible to measure earth-movements of different grades of magnitude, ranging from microscopical tremors almost to destructive earthquakes. The instruments have been placed in various stations, differing in their geological and topographical conditions, with the view of studying the seismic effects on buildings in these localities. Numerous and varied instruments, designed at the Observatory, are now in use both at home and abroad.

The Observatory is open for consultation on all subjects connected with Seismology.

Lectures on Seismology are given by the professor of Seismology to the students of Geology and other branches of science.

The Observatory is very much indebted to Mr. John Milne, professor of Mining and Geology in the Engineering College, for valuable assistance received.

(c). The Botanic Garden is situated in Koishikawa, about a mile from the University. Plants are daily brought from it to the University for the use of the students. The students of Botany and of Entomology spend a portion of their time in the Garden, which contains over three thousand species of plants both native and foreign. In the largest division of the Garden, plants are distributed according to Bentham and Hooker's system of classification, as given in their *Genera Plantarum*. In another division, there is a collection of medicinal plants; in still another division are found those plants which grow only in shady places, not to mention a collection of rare plants in pots. A green house, built in the European style, contains many interesting tropical plants. There are also plant-houses in various Japanese styles, such as the *Okamuro*, *Tōmuro*, *Ōsakamuro*, and *Anamuro*. A building in the central part of the Garden contains the laboratory, lecture-room, and office. Attached to the Botanic Garden is a very fine pleasure garden with a building well suited for the social gatherings of scientific and other societies.

The herbarium belonging to the Botanic Garden is of considerable size, though not so complete as that belonging to the Botanic Institute of the Science College, the

latter of which contains about four thousand species of Japanese plants. Both the Botanic Garden and the Botanic Institute are always ready to exchange duplicates of specimens with foreign botanists or with similar foreign institutions. The Botanic Garden is also ready to exchange seeds.

(d). The Marine Biological Station.

A piece of ground in Misaki, a town on the north side of the entrance to the Bay of Tōkyō, was some time ago presented to the University by the Imperial Government. On it a small and convenient laboratory has recently been erected, where students of Biology have to pass at least one term before graduation.

Misaki has long been a favourite collecting ground of naturalists, and is noted as the home of *Hyalonema*, *Pentacrinus*, and other rare forms of marine life. It is hoped that such a laboratory, situated in this favourable locality, will materially add to our knowledge of the marine life of the Japanese coasts. [For a further description of the station see the Journal of the Science College, Vol. I. p. 381.]

A Temporary Special Elementary Course has been organized to meet the demand for men who have had a thorough training in elementary science. The regulations are as follows :—

1. The course extends over two years.
2. Candidates for admission must be over eighteen years of age, must possess qualifications equivalent to the

leaving certificate of an ordinary middle school, and must be of good moral character.

3. An entrance examination is held in the following subjects :—

(1) Japanese and Chinese; (2) English; (3) Arithmetic, Algebra and Geometry; (4) The Elements of Physics and Chemistry.

A certain number of candidates, to be fixed yearly by the faculty, will be admitted, the selection being made from among those candidates who have acquitted themselves most creditably in the examination.

4. The course is divided into two sections;—A. Mathematics, Physics and Chemistry; B. Zoology, Botany and Geognosy.

5. The fee for the entrance examination is two yen.

6. The fee for attendance is two yen monthly.

7. Students of the 1st year class, who in accordance with the rules relating to examinations would otherwise be degraded, are dismissed; unless they undergo examination at the same time with other candidates for admission, and obtain marks qualifying for admission.

Students of the second year class who are degraded will be allowed to continue in the same class during the next session.

8. Graduating students are divided into two classes according to their proficiency and receive diplomas accordingly.

9. The general regulations of suspension of attendance are not applied to this course.

COURSE OF INSTRUCTION.

FIRST SECTION.

FIRST YEAR.

	Hours per week.
Arithmetic and Algebra.....	2
Geometry	3
Trigonometry	2 {2nd and 3rd Terms. }
Chemistry (lectures)	3
„ (laboratory)	One afternoon.
Astronomy	1 {1st and 2nd Terms. }

SECOND YEAR.

	Hours per week.
Algebra	2
Analytical Geometry	3
Principles of Differential and Integral Calculus	2 {2nd and 3rd Terms. }
Physics (lectures)	4
„ (laboratory)	One afternoon.

SECOND SECTION.

FIRST YEAR.

	Hours per week.
Zoology (General Zoology and Physio- logy).....	3

	Hours per week.
Botany (Morphology, Physiology, with practice)	3 {1st and 2nd Terms. } 4 {3rd Term. }
Geognosy (Physical and Political Geo- graphy)	3.
Astronomy	1 {1st and 2nd Terms. }

SECOND YEAR.

	Hours per week.
Zoology (Embryology, Histology, with practice)	4
Botany (Classification, with practice)	3 {1st and 2nd Terms. } 4 {3rd Term. }
Geognosy (Mineralogy and Geology, with practice)	4
Voluntary lectures during two years :— Physics, Chemistry, and Seismology.	

XVI. COLLEGE OF AGRICULTURE.

I. OFFICERS.

DIRECTOR.

Professor NAOKICHI MATSUI, *Rigakuhakushi*, Ph.D.

PROFESSORS.*

†JOHANNES LUDWIG JANSON *Veterinary Medicine*

OSCAR KELLNER, Ph. D. (Leipzig University).....

Agricultural Chemistry.

MAX FESCA, Ph.D. (Göttingen University).....*Agriculture.*

EUSTACH GRASMAN, Ph. D. (Munich University)....*Forestry.*

NAOKICHI MATSUI, *Rigakuhakushi*, Ph.D. (Columbia College).

Chemistry.

DIRŌ KITAO, *Rigakuhakushi*. Ph.D., M. A. L. (Göttingen University)*Physics*

CHIYOMATSU ISHIKAWA, *Rigakushi*, *Rigakuhakushi*, Ph. D.

(Freiburg University)*Zoology.*

TAIZAN SHIGA,*Forestry.*

CHŪJIRŌ SASAKI, *Rigakushi*, *Rigakuhakushi**Entomology.*

TSUNEAKIRA SAKŌ, *Nōgakushi*, *Nōgeikōgakushi*....*Agriculture.*

KIZŌ TAMARI, *Nōgakushi*, M. Sc. (Michigan Agricultural College)*Agriculture and Horticulture.*

SENNOSUKE KATSUSHIMA, *Jūigakushi**Pathology.*

* The names of professors, assistant professors, assistants, lecturers &c., are arranged according to seniority of appointment.

† Absent.

ASSISTANT-PROFESSORS.

MONOSHIRŌ MORIYA, <i>Rigakushi</i>	<i>Chemistry.</i>
MATSUJIRŌ NISHI, <i>Rigakushi</i>	<i>Geology.</i>
MITSUTARŌ SHIRAI, <i>Rigakushi</i>	<i>Botany.</i>
KŌ TANAKA, <i>Jūigakushi</i>	<i>Anatomy.</i>
HATSUKUMA TOKISHIGE, <i>Jūigakushi</i>	<i>Physiology and Pathological Anatomy.</i>
YOSHINAO KOZAI, <i>Nōgakushi</i>	<i>Agricultural Chemistry.</i>
SHIN-ICHIRO OKADA, <i>Nōgakushi</i>	<i>Agriculture.</i>
KETTARŌ TSUNO, <i>Jūigakushi</i>	<i>Pharmacology and Veterinary Hygiene.</i>
JŌHEI TATARA.....	<i>Mathematics and Physics.</i>
YŌTABŌ MORI, <i>Nōgakushi</i>	<i>Agricultural Chemistry.</i>
MUNESHIGE NAGAOKA, <i>Nōgakushi</i>	<i>Agricultural Chemistry.</i>
†KURANOSUKE MATSUZAKI, <i>Hōgakushi</i>	<i>Political Economy and Agricultural Administration.</i>
KIPPEI IMAI, <i>Jūigakushi</i>	<i>Horse-Shoeing, Hoof Pathology, and Exterior of Domestic Animals.</i>
GIYEMON SUTŌ, <i>Jūigakushi</i>	<i>Surgery.</i>
SEIICHIRO IKENO, <i>Rigakushi</i>	<i>Botany.</i>
HIROYASU ISOYAMA, <i>Rigakushi</i>	<i>Forestry.</i>
YEIKICHI SHIBATA, <i>Rigakushi</i>	<i>Forestry.</i>
SEIROKU HONDA, <i>Rigakushi</i> , Ph.D. (Munich University)....	<i>Forestry.</i>

LECTURERS.

WILLIAM DOUGLAS COX, A.C.P. (England).	<i>English and Latin.</i>
HAYATO FUKUHA,	<i>Horticulture.</i>
SHUNJI ŌMORI, <i>Rigakushi</i>	<i>Mathematics and Surveying.</i>
GOICHI SAWADA, <i>Rigakushi</i>	<i>Mathematics and Physics.</i>

† Absent

KELJIRŌ MATSUMOTO, <i>Hōgakushi</i>	<i>Encyclopaedia of Laws.</i>
SHITARŌ KAWAI, <i>Ringakushi</i>	<i>Forestry.</i>
TATSUKURŌ INOUE, <i>Hōgakushi</i>	
	<i>Political Economy and Universal History.</i>

ASSISTANTS.

HIDEZŌ IKEDA	<i>Horticulture.</i>
YŪZŌ YAMANOUCHI	<i>Agriculture.</i>
HEIHACHI UCHIYAMA	<i>Forestry.</i>
GOSAKU HARIGAYA	<i>Agriculture.</i>
ONŌZŌ MASUDA.....	<i>Military Drill.</i>
SEIZABURŌ NAMBA.....	<i>Agriculture.</i>
TETSUMA TAMURA.....	<i>Veterinary Medicine.</i>

INSTRUCTORS.

ALBERT MÜLLER	<i>Horse-Shoeing.</i>
TAKUJIRŌ IKEDA.....	<i>Zoology.</i>
SEISHO YAMAOKA.....	<i>Drawing.</i>
GUNJI MUKŌ.....	<i>German.</i>
SHŌZABURŌ SAITŌ, <i>Nōgakushi</i>	<i>English.</i>
KINPEI SAITŌ.....	<i>Anatomy.</i>
ROKUTARŌ KOJIMA.....	<i>German.</i>

PHYSICIAN.

REN HORI, *Igakushi.*

II. COURSES OF INSTRUCTION.

The following three courses, each of which extends over three years, have been established in this College, the course of agriculture being divided into two sections :—

1. Agriculture { First Section,
 { Second Section,
2. Forestry.
3. Veterinary Medicine.

1. AGRICULTURE.

FIRST SECTION.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Lithology and Geology.....	3	3	—
Soils.....	—	3	—
Meteorology.....	—	2	2
Vegetable Physiology.....	8	—	—
Vegetable Pathology.....	—	4	4
Animal Physiology.....	3	3	3
Entomology.....	2	2	2
Agricultural Implements.....	—	—	2
Manures.....	—	—	4
Agricultural Physics.....	2	2	2
Political Economy.....	2	2	2
Botanical Laboratory			
Zoological „			
Farm Practice			
German.....	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Amelioration of Soils.....	4	4	—
Cultivation of General Crops	3	3	3
Cultivation of Special Crops	3	3	3
Forage Plants	—	—	2
Horticulture	4	3	2
Sericulture	2	2	—
Cattle-Feeding	3	3	3
Zootechny	—	4	4
Botanical Laboratory.			
Zoological „			
Farm Practice.			
German	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Agriculture Technology.....	3	3	3
Outlines of Veterinary Science.....	3	3	—
Outlines of Forestry (optional)	3	3	—
Fish-Culture (optional)	4	—	—
Management of Farms.....	3	2	2
Agricultural Administration	2	2	2
Botanical Laboratory.			
Zoological „			
Farm Practice.			
Thesis.			

SECOND DIVISION.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Principles of Chemistry.....	3	3	3
Lithology and Geology	3	3	—

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Soils	—	3	—
Meteorology	—	2	2
Vegetable Physiology.....	8	—	—
Animal Physiology	3	3	3
Manures	—	—	4
Chemical Laboratory			
German	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Physiological Chemistry	3	3	—
Amelioration of Soils.....	4	4	—
Cultivation of General Crops.....	3	3	3
Cultivation of Special Crops.....	3	3	3
Cattle-Feeding	3	3	3
Food and Stimulants.....	—	—	4
Sericulture	2	2	—
Agricultural Physics.....	2	2	2
Chemical Laboratory			
German	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Agricultural Technology.....	3	3	3
Management of Farms	3	2	2
Chemical Laboratory			
Thesis			

2.—FORESTRY.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Meteorology	—	2	2
Geology and Soils	3	3	3

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Forest-Mathematics.....	2	2	2
Forest Botany.....	4	4	4
Forest Zoology.....	3	3	3
Forest Surveying.....	4	4	4
Botanical Laboratory			
Zoological „			
Practical Forestry, Excursions			
German	3	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Forest Mathematics.....	2	—	—
Sylviculture	3	3	3
Forest Physics	2	2	2
Forest Technology	2	2	2
Forest Road	—	2	2
Forest Utilization.....	2	2	2
History of Forestry.....	2	2	—
Forest Protection	—	2	2
Forest Organization(Forsteinrichtung)—		2	2
Political Economy.....	2	2	2
Outlines of Agriculture.....	2	2	—
Botanical Laboratory			
Zoological „			
Forest Technology (practical)			
Practical Forestry, Excursions.....			
German	3	3	3

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Forest Administration	2	2	—
Forest Utilization	3	3	—

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Forest Organization(Forsteinrichtung)	2	2	—
Forest Policy	3	3	—
Forest Laws	2	2	—
Finance	3	3	—
Fish-Culture	2	2	—
Practical Forestry, Excursions			
Thesis	—	—	

3.—VETERINARY MEDICINE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Anatomy	6	6	6
Physiology	6	6	6
Histology	3	3	3
Zootechny	3	3	3
General Pathology	3	3	—
Operative Surgery	—	—	3
Horse-Shoeing	3	—	—
Anatomy (practical)	15	15	—
Histology (practical)	—	—	10
Horse-Shoeing (practical)	—	—	4

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Physiology	4	—	—
Pharmacology	3	3	
Operative Surgery	3	—	—
General Pathology	3	—	—
Surgery	4	4	4

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Special Pathology	4	4	4
Pathological Anatomy	—	3	3
Parasitology	—	2	2
Dermato-Pathology	—	1	1
Hoof Pathology	—	2	2
Dispensing	—	—	6
Anatomy (practical)	15	15	—
Operative Surgery (practical)	3	3	—
Horse-Shoeing (practical)	4	—	—
Hospital Practice	—	—	17
Pathological Anatomy	3	—	—
Animal Plagues	2	2	2
Obstetrics	3	3	—
Ophthalmology	1	1	—
Veterinary Hygiene	3	3	3
Embryology	2	2	—
Exterior of Domestic Animals	3	3	—
Veterinary Police	—	—	3
Veterinary Jurisprudence	—	—	3
Examination of Milk (Lectures and practice)	4	—	—
Pathological Anatomy (practical)	6	6	—
Pathological Histology and Bacteriolo- gy (practical)	—	3	3
Hospital Practice and Ambulatory Clinic	17	17	17

**REGULATIONS FOR FINAL EXAMINATIONS IN
THE COURSE OF VETERINARY
MEDICINE.**

Art. 1. In the course of veterinary medicine, in place of annual examinations, final examinations are held at the end of the third year, on the chief subjects studied during the first, second, and third years.

Art. 2. The chief subjects are as follows :—

- I. Anatomy.
- II. Physiology.
- III. Pharmacology.
- IV. Pathology.
- V. Surgery.
- VI. Pathological Anatomy.
- VII. Horse-shoeing (practical).
- VIII. Hospital Practice and Ambulatory Clinic.

Art. 3. The highest mark for each chief subject is 100.

Art. 4. The graduation mark is determined by adding together thrice the average of the year marks for the first and second years, the average term mark for the third year, and four times the average mark gained at the final examinations, and then dividing the sum thus obtained by 8.

Art. 5. When the graduation mark and the mark for each subject in the final examinations are in each case 60 or over, the student is entitled to a diploma of graduation.

Art. 6. When the graduation mark is 60 or over, while the mark for any one subject in the final examina-

tions is under 60 but over 50, the student is de-graded.

Art. 7. When the graduation mark is 60 or over, while the marks for two or more subjects are under 60, or the mark for any one subject is under 50, the student is dismissed.

PREPARATORY COURSE.

The preparatory course in this college having been established only for the preparatory students in the late Tōkyō Nōringakkō, no new students will be admitted, and the course will be abolished as soon as the present classes have finished their attendance.

The general regulations for the Colleges in respect to the academic year, terms, vacations, attendance, suspension of attendance, and examinations apply equally to this course.

Note. (Agr.), (For.), and (Vet.), put after the subjects of study, indicate that the subject so indicated is studied only by the students intending to pursue respectively the courses of agriculture, forestry, and veterinary medicine.

THIRD YEAR.

	Hours per week.
English	4
German	5
Mathematics (Analytical Geometry) ..	3
Botany and Zoology (Vet.)	4
Geology and Mineralogy	2
Physics	4
Inorganic Chemistry	2
Astronomy (Agr., For.)	1

	Hours per week.
Drawing	3
Surveying (Agr., For.)	3
Military Drill	3

FOURTH YEAR.

	Hours per week.
English	4
German	5
Latin (Vet.).....	2
Mathematics (Anal. Geometry and Diff. and Integ. Calculus.) (For.)	3
Botany and Zoology (Agr., For.).....	4
Anatomy (Vet.).....	6
Physical Laboratory	3
Organic Chemistry and Chemical La- boratory { (Agr., Vet.) 7	
{ (For.) 4	
Encyclopædia of Laws (Agr., For.) ...	2
Dynamics (Agr., For.)	2
Surveying (Agr., For.)	3
Military Drill	3

REGULATION FOR SUBSIDIARY COURSES IN AGRICULTURE, FORESTRY AND VETERINARY MEDICINE.

- Art. 1.** The following subsidiary courses in agriculture, forestry, and veterinary medicine have been established in order to meet the demand for practical men versed in these branches of study.
- Art. 2.** Each course extends over three years.

Art. 3. The courses of instruction are as follows :—

SUBSIDIARY COURSE IN AGRICULTURE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Physics	5	5	—
Chemistry	4	4	—
Botany	—	3	—
Zoology	2	2	—
Soils	2	—	—
Amelioration of Soils	—	2	—
Agricultural Implements	2	—	—
Manures	—	2	—
Farm Practice			

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Chemistry	4	—	—
Vegetable Pathology	2	2	—
Eutomology	2	—	—
Cultivation of General Crops	3	3	—
Forage Plants	—	2	—
Horticulture	4	—	—
Sericulture	—	2	—
Zoology	—	3	—
Farm Practice			

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Cultivation of Special Crops	4	—	—
Zootechny	4	—	—
Agricultural Technology	2	2	—
Management of Farms	2	2	—

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Outlines of Veterinary Science.....	—	3	—
Outlines of Forestry.....	3	—	—
Farm Practice			

SUBSIDIARY COURSE IN FORESTRY.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Algebra	4	2	—
Geometry	4	4	—
Trigonometry	—	3	2
Physics	2	3	4
Meteorology	—	—	2
Chemistry	3	3	3
Zoology	3	3	3
Botany	4	4	4
Geology and Mineralogy.....	3	3	—
Surveying	—	—	3
Drawing	4	3	3

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Soils	2	2	—
Outlines of Agriculture.....	2	2	2
Forest-Mathematics	3	3	—
Sylviculture	2	2	2
Forest Technology	2	2	2
Forest Utilization	—	—	4
Forest Organization (Forsteinrich- tung).....	—	—	2

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Surveying	3	3	3
Surveying (practical)			
Forest Technology (practical)			
Practical Forestry, Excursions			

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Sylviculture	3	—	—
Forest Utilization	5	5	—
Forest Organization (Forsteinrich- tung)	4	4	—
Forest Protection	3	3	—
Forest Policy	4	4	—
Forest Laws	2	2	—
Practical Sylviculture			—
Practical Forestry, Excursions	—	—	

SUBSIDIARY COURSE IN VETERINARY MEDICINE.

FIRST YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Chemistry	3	3	3
Anatomy and Histology	5	5	5
Physiology	5	4	4
Pharmacology and Dispensing	3	3	3
Zootechny	—	—	3
Horse-Shoeing and Hoof Pathology ..	3	3	—
Operative Surgery	—	3	3
Anatomy (practical)	10	10	—
Horse-Shoeing (practical)	—	—	6

SECOND YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Pathology	4	4	4
Surgery	4	4	4
Animal Plagues and Veterinary Police.—	—	—	3
Exterior of Domestic Animals.....	3	3	—
Parasitology	3	—	—
Zootechny	3	3	3
Post-mortem Examination.....	—	—	2
Anatomy (practical)	3	3	—
Horse-Shoeing (practical)	6	6	6
Operative Surgery (practical).....	—	3	—
Hospital Practice	—	15	15
Dispensing	3	—	—

THIRD YEAR.

	Hours per week.		
	1st Term.	2nd Term.	3rd Term.
Animal Plagues and Veterinary Police	2	2	—
Obstetrics	3	3	—
Ophthalmology	—	2	—
Post-mortem Examination	3	3	—
Horse-Shoeing (practical)	6	6	—
Hospital Practice and Ambulatory Clinic	15	15	—
Management of Domestic Animals (practical)	—	—	36

Art. 4. The academic year in the course of agriculture extends from September 11th to September 10th of the succeeding year. It is divided into three terms, the first extending from September 11th to December 15th, the second from January 8th to April 25th, and the third from April 26th to September 10th.

- Art. 5. In the course of agriculture, students are required to work on the farm during the third term.
- Art. 6. There is no Spring Vacation for students in the agricultural course. The Winter Vacation extends from December 16th to January 7th. There may be a vacation for the second year students in the agricultural course at the end of the third term.
- Art. 7. Candidates for admission to these courses must be over nineteen years of age, of good moral character, and in good health. Candidates for admission to the agricultural course must own 5 chō or more of cultivated land, or must be the son or brother of one who owns the same.

Those who intend to study at the expense of their *fu, ken, gun, shi, chō, or son*, with the obligation to serve in it after graduation, may be allowed to try the entrance examination, on presenting a certificate from the local authorities testifying to the above fact, without the qualification with regard to cultivated land.

- Art. 8. The entrance examinations are held in June. Candidates for admission to the agricultural course, who have passed satisfactory examinations, are only temporarily admitted, and are required to work directly on the farm. Those who have shown their earnestness for the farm work, and are fit for it, in physique, are admitted from September 11th.
- Art. 9. Candidates for the first year class in any of the courses are required to pass satisfactory examinations in the following subjects :—
1. Chinese.
 2. Composition in Sineco-Japanese.

3. Dictation in Japanese.
4. Japanese Geography.
5. Arithmetic.
6. Algebra (required only for candidates for admission to the forestry course).

Art. 10. The fee for the entrance examinations is 2 yen.
The fee for attendance is 20 yen per academic year.

Art. 11. In the course of agriculture and veterinary medicine, the students are examined at the end of the third year on the chief subjects studied during the previous three years. In the course of veterinary medicine, the annual examination is not held at the end of the third year.

Art. 12. In the course of agriculture, the term marks are determined by dividing by 2 the sum of the average term mark for the written or oral examinations and that for practical work.

Art. 13. In the course of agriculture, the graduation mark is determined by dividing by 3 the sum of twice the average of the three years' marks and the average of the final examination marks.

Art. 14. The regulations for final examinations and graduation in the course of veterinary medicine are applicable to the students in the subsidiary course of veterinary medicine.

Pathological Anatomy is omitted from, and post-mortem examination and practical management of domestic animals are added to, the list of the chief subjects mentioned under the Art. 2 of the said regulations.

- Art. 15. The general regulations for the Colleges are binding upon the students in the above courses unless special articles be provided for them.
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REGULATIONS FOR VOLUNTEER FARM LABOURERS.

- Art. 1. Those who are desirous of obtaining practical knowledge of farm operations are admitted to work in the College as Volunteer Farm Labourers.
- Art. 2. Candidates must be over 20 years of age, of good health, so as to be able to stand ordinary farm work, and able to stay three years in the College.
- Art. 3. Candidates for admission as volunteer farm labourers are required to present a written application in accordance with the forms prescribed.
- Art. 4. Candidates admitted to the college are required to present a declaration in accordance with forms prescribed and signed by two sureties.
- Art. 5. Sureties must be male house-holders above twenty-one years of age, living within the jurisdiction of the Tokyo Fu administration, or such other persons as the Director of the College may deem suitable or trustworthy,

When a surety is absent from his fixed residence for any length of time, he must, before his departure, state his intention to be absent, and provide a representative having power of attorney.

- Art. 6. If the Director of the College deem a surety or his representative unsuitable, another person possessing the necessary qualifications must be speedily found.
- Art. 7. If a surety dies or loses any of the necessary qualifications, he must at once be replaced, and a new written declaration must be signed by his successor.
- Art. 8. Ten volunteer farm labourers shall be admitted at one time.
- Art. 9. No remuneration is given to the volunteer farm labourers for their labour on the farm.
- Art. 10. Volunteer farm labourers are under the control of the foremen of the farm and other authorities connected therewith.
- Art. 11. Volunteer farm labourers must wear light attire, suitable for farm work, while they are on the farm.
- Art. 12. If volunteer farm labourers are prevented by illness or otherwise, from going out to work they must, before the work begins, submit a note, stating the reason thereof to the foremen.
- Art. 13. Volunteer farm labourers, for whom no hope of success is entertained, either on account of illness, misconduct, or of frequent absence, under any pretext, will be dismissed from the farm.
- Art. 14. If a volunteer farm labourer, at the end of three years, shows an aptitude for farm operations, a certificate of proficiency will be granted to him.
- Art. 15. If a volunteer farm labourer shows proficiency in farm work, he may be allowed to leave the farm with the certificate thereof, even before the expiration of the prescribed time.
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Besides the laboratories for the practical study of Chemistry, Zoology, Botany, and Anatomy, there are, in the College, buildings intended for practice in Sericulture, in Forest Technology, and in Horse-shoeing. Over 28 chō of land consisting of common farm, paddy field for rice, tea plantation, mulberry plantation, orchard and meadow land, subserve the means of instruction and investigation. Twelve chō of land are set apart for a forest nursery, a part of which is in the College ground and the rest in Itabashi, Kita Toshima Gōri. Over sixty head of cattle, and several varieties of poultry are kept in the college.

There is a veterinary hospital within the College ground which offers facilities to the students in the course of veterinary medicine to practice what has been imparted to them by lectures.

XVII. UNIVERSITY HALL.

1.—GENERAL REGULATIONS.

1.—Applicants for admission to the University Hall are required to present to the President of the University a written application, setting forth the subject of investigation to be pursued ; and they will not be admitted unless they have shown their proficiency in previous studies, and can produce satisfactory testimonials of good moral character.

If such applicants be not graduates of one of the Colleges, the degree of their proficiency in previous studies will be determined by a special examination.

2.—The President shall, on consulting with the Director of the College to which the subject of investigation chosen by any student properly belongs, appoint a professor or professors to superintend the student's studies ; and all scientific investigations carried on by the student must be made under this professorial supervision.

3.—A student at the University Hall must pursue, during the two years immediately following his admission, some one of the post-graduate courses established by the College which is in the line of his previous studies, and to which the subject specially chosen by him belongs.

4.—A student of the University Hall shall be at liberty to offer himself for the University degree in his branch of study after a period of five years has elapsed from his admission into the Hall. In such case the President shall appoint a special Examining Committee to test the efficiency of the candidate.

5.—A student who by reason of misconduct, idleness, or chronic illness, is considered by the President unfit to continue his course of study, will be dismissed from the University Hall.

6.—Students of the University Hall are exempted from the payment of tuition fees, but while they are pursuing their post-graduate course in any one of the Colleges, the fees prescribed in the regulations for that course must be paid by them.

2.—ADMISSION.

1.—A graduate of any one of the Colleges, who desires to be admitted to the University Hall, is required to present to the President, through the Director of his College, a written application in accordance with the prescribed form, at any date subsequent to his graduation.

2.—An applicant for admission, not a graduate of any of the Colleges, is required to present to the President a written application in accordance with the prescribed form, together with a written statement of his previous studies, and also with a certificate as mentioned in the following article, if he have any such, on or before March 31st in each year.

3.—An applicant, not a graduate of any of the Colleges is required to undergo an entrance examination, as prescribed in the regulations of the University Hall, and unless he be a graduate of a Higher Middle School or of some other institution recognized by the Minister of State Education as having the same standing and as giving an equivalent course of instruction, he must also pass the examination for preliminary education required of entrants to the Colleges.

4.—Applicants such as are mentioned in Article 2, are required to pay an examination fee of thirty yen to the University, with the understanding that the fee shall be returned, should the applicant withdraw his name before the date fixed for the examinations.

5.—All students admitted to the University Hall are required to take the prescribed oath and to sign their names in the University Hall register.

XVIII. LIBRARY.

The University Library is located, for the present, on the second floor of the new building erected for the accommodation of the College of Law and Literature, as the proper library edifice has not yet been completed.

The Library contains about one hundred and eighty-seven thousand volumes. By purchase, donations and exchanges chiefly from abroad, a large addition is annually made to the Library.

REGULATIONS OF THE LIBRARY.

1.—The University Library was established for the safe keeping of all books belonging to the University Hall and the five Colleges.

2.—No person is admitted into the Library to look for books or to take them out or remove them from the shelves, except he be an officer of the Library.

3.—Books for class use in the institutes of the Colleges and for official use in the University offices can be borrowed by a secretary, in the case of the University, or by the Director of each College, or by the professor or instructor in charge of each institute, in the case of the Colleges.

4.—The secretary, professor, or instructor is held responsible for the books lent from the Library, in accordance with the foregoing article, but the officers of the Library will examine them, from time to time, in order to see after their condition.

5.—A professor or assistant-professor is entitled to have in his possession, as books of reference, not more than thirty volumes at one time, and any other member of the

teaching staff is entitled to have not more than ten volumes at one time.

6.—The staff of the University, other than those mentioned in Article 5, may borrow books to the number of not more than five volumes at one time, subject to the approval of the President.

7.—The number of volumes being estimated after books bound in European style, three volumes bound in Japanese style and one sheet of maps, pictures and the like in the form of a chart, or one case of the same in the form of a case, are counted as equal to one volume in European style ; and in the case of periodicals or pamphlets published in parts and to be bound in one volume after the issue of a certain number, the numbers of such publications which make up one complete volume are counted as one volume

8.—Any person who, on account of urgent necessity, asks permission to take out books from the Library, may be allowed so to do by special permission of the President, such request to be granted only when considered reasonable.

9.—Library books, when not otherwise in use, may be lent, on request, to Government offices.

10.—Any person who desires to take out books from the Library must first deliver a slip duly signed, containing the title, shelf-mark and number of the book desired, and the date of borrowing the same.

Printed slips, to be used for this purpose are provided in the Library.

11.—Students who are unable to supply themselves with text-books, may borrow them from the Library, upon

presenting the certificate of the professor or instructor for whose class the book is required.

12.—Books borrowed from the Library must in no case be lent to any other person by the borrower, and no person is allowed to borrow more than one copy of the same book, except for class use in the institutes or for official use in the University offices.

13.—All books borrowed from the Library must be returned during the first ten days of July in each year, or whenever the Librarian demands their return.

14.—During the summer vacation, a student may borrow text-books to the number of not more than five volumes, upon presenting the necessary certificates from his professor or instructor, and all the books thus borrowed must be returned before the 5th of September.

15.—When a professor or other member of the University staff retires from his position, or when a student leaves the University, he must immediately return the books which he has borrowed. A new graduate is also required to return any books he may have borrowed from the Library, before he receives the certificate for graduation.

16.—The reading-rooms are open daily, except on Sundays, between the hours of 6 a.m. and 9 p.m. ; but for the period from November 1st to April 30th the hour of opening is 30 minutes later. On Sundays the rooms are opened at 6 p.m. and closed at 9 p.m.

17.—During the winter vacation, the reading-rooms are open from the 25th to the 28th of December and from the 4th to the 7th of January, between the hours of 7.30 a.m. and 9 p.m., Sundays excepted ; and during the summer vacation they are open from the 11th to the 30th of July and from the 22nd of August to the 10th of Septem-

ber, between the hours of 8 a.m. and 12 noon, Sundays excepted.

18.—Every applicant for books for immediate perusal in the reading-rooms must present to the officer in charge a slip duly signed, containing the title, shelf-mark and number of any book or books he may require, and the date of borrowing, in exchange for which slip the book or books shall be delivered to the applicant. All such books, when done with, must be promptly returned.

19.—A ticket for admission to the reading-rooms may be given to any one of the following persons ; special permission, however, is required for admission into the Library or the rooms in which books are placed :—

1. Former professors and other members of the University staff who have been in service for more than two years.
2. Graduates of the University, Hall and the Colleges.
3. Persons who desire to use books in the reading-rooms on official business, and for whom special permission so to do from the University has been asked by the Government offices to which they belong.

20.—Professor and instructors are admitted into the Library to look for books, and any officer of the University has the same privilege when official business requires.

21.—The following students, when provided with admission tickets, are admitted into the Library to look for books :—

1. Students of the University Hall.
2. Students of the highest classes of the Colleges who have certificates from their respective profes-

sors entitling them to this privilege.

3. Students of the Law Section of the College of Law (only into the Law Library).

When a student desires admittance into the Library for this purpose, he is required to give to the officer in charge of the reading-rooms, a ticket with which he has been previously provided, which ticket will be returned to him by the same officer when coming out; and when he has found the book or books desired, he must immediately come out of the Library and consult the book or books in conformity with Article 18.

22. Those who are admitted into the Library are required, while there, to refrain from disarranging the books or from offering any impediment to the officer in charge of the reading-rooms.

23.—Books delivered to any person for immediate persual must not be taken out of the reading-rooms, unless the proper steps have been taken for borrowing them.

24.—Books for use in the reading-rooms are divided into the following four classes :—

1. Valuable books.
2. Books of reference for the common use of all the established courses.
3. Books specially placed in the reading-rooms, at the request of a professor or instructor, for the use of his class.
4. Books not belonging to any of the above classes.

25.—No one is allowed, unless by special permission of the President, to use the books belonging to the first class, except those to whose subject of study the books relate. In case the books are taken out of the Library by special permission for class use, they must be returned on the

same day on which they are borrowed.

26.—No book belonging to the second class shall be taken out except by special permission of the President.

27.—No book belonging to the third class shall be taken out except by the professor or instructor to whose subject of study the book relates, unless by special permission of the President.

28.—Books belonging to the fourth class may be taken out for not more than four weeks.

29.—Except when required for class or official use, no periodical shall be taken out of the reading-rooms, until sixty days have elapsed since it was received at the Library.

30.—Nothing shall be brought into the reading-rooms except books, paper, pen or ink.

31.—Loud talking, reading aloud, discussion, smoking and anything of a nature to disturb readers, are forbidden in the reading-rooms.

32.—If any book in the hands of a borrower be lost, he must replace it with another of the same edition and of equal value.

33.—If any book in the hands of a borrower be damaged, he shall make good the damage or shall replace the book with another of the same edition and of equal value, as the case may be.

34.—If any book borrowed for class or official use be lost or damaged, the borrower shall report to the Librarian the facts in detail. He may be required to replace it with another of the same edition and of equal value, or to make good the damage, according to circumstances.

35.—A person who violates any of the foregoing regulations, is deprived of the privilege of admittance into the reading-rooms, or of the privilege of borrowing any book

whatever (all books in his hands being called in), or is deprived of both privileges, for a period of not less than a week and not more than a year, according to the nature of the case.

The case of a professor or other member of the University staff who violates the rules is dealt with by the President.

36.—When any person neglects to return at the required time any book borrowed, and does not return it after having been notified by the Librarian, his case is dealt with by the proper authorities.

APPENDIX TO THE REGULATIONS.

1. All the regulations of the Library above mentioned, excepting Articles 14 and 21, are applicable to honour students, elective students, and students of the elementary courses.

2. Elective students and students of the elementary courses shall receive the benefit of Art. 11 of the present regulations after the regular students have been served.

FEEES FOR TICKETS OF ADMISSION TO THE READING-ROOMS.

1.—Any person receiving a ticket of admission to the reading-rooms in accordance with article 19 of the Library Regulations, Candidates referred to in § 2 of this Article being excepted, shall pay a fee of one yen for each term, or any part of a current term of the academic year. It is understood that the first term shall include the days taken up

by the winter vacation; the second term, the spring vacation.

2.—The above fee is to be paid at the time when the ticket for admission is received.

3.—Tickets for admission are not available for more than one term, and holders desiring a continuance of the privilege, are required to renew the ticket at the end of each term.

STUDENTS ON THE ROLL

I.—University Hall	47
II.—College of Law	404
Post-graduates	5
Law (First Division)	167
“ (Second “)	48
“ (Third “)	38
Politics	126
Elective Students	20
III.—College of Medicine	191
Post-graduates	7
Students undergoing Final Examinations	28
Medicine	102
Pharmacy	4
Elective Students	50
IV.—College of Engineering	150
Post-graduates	2
Civil Engineering	51
Mechanical Engineering	19
Naval Architecture	7
Technology of Arms	1
Electrical Engineering	15
Architecture	11
Applied Chemistry	18
Mining and Metallurgy	20
Elective Students	6
V.—College of Literature	133
Post-graduates	5
Philosophy	20

Japanese Literature.....	7
Chinese Literature	6
Japanese History	14
History	18
Comparative Philology	2
English Literature	5
German Literature.....	1
Elective Students	55
VI.—College of Science	101
Post-graduates	8
Mathematics	1
Astronomy	1
Physics	24
Chemistry	5
Zoology	11
Zoology and Botany	6
Geology	7
Elective Students	19
Temporary Special Elementary Course	29
VII.—College of Agriculture.....	340
Post-graduates	1
Agriculture (First Division)	35
“ (Second “)	17
Forestry	17
Veterinary Medicine	14
Elective Students	2
Preparatory Course	62
Subsidiary Course in Agriculture	91
“ “ “ Forestry	61
“ “ “ Veterinary Medi-	
cine	40

Grand Total	1366
Counted more than once	24
Actual Number of the Grand Total	1342
Students undergoing Final Examinations	28
Post-Graduates and undergraduates ..	902
Actual Number of the Above	873
Elective Students	436

NUMBER OF GAKUSHI AND GRADUATES.

Hōgakushi	378
Igakushi	415
Seiyakushi	34
Yakugakushi	8
Kōgakushi	368
Bungakushi	79
Rigakushi	198
Nōgakushi	87
Nōgeikagakushi	12
Ringakushi	56
Jūigakushi	61
Jun-igakushi	6
Graduates of the late Kōbu Daigaku ...	15
Graduates of the Agriculture Course ...	38
" " " Forestry Course	26
" " " Veterinary Medicine Course	11
Grand Total	1792
Counted more than once	7

NUMBER OF STUDENTS, ETC.

187

Alive.....	1785
Deceased.....	105

NUMBER OF *HAKUSHI*.

<i>Hōgaku</i> <i>hakushi</i>	18
<i>Igaku</i> <i>hakushi</i>	32
<i>Kōgaku</i> <i>hakushi</i>	31
<i>Bungaku</i> <i>hakushi</i>	14
<i>Rigaku</i> <i>hakushi</i>	27
Total	122

UNIVERSITY EXPENDITURE.

BUDGET FOR 1892.

(The original Budget for 1892 was rejected by the Imperial Diet; consequently the Budget for 1891 was again put in force for 1892).

REVENUE.

Ordinary Revenue

Government Grant	365,162.000
College Receipts	118,309.389
Total	483,471.389

Extraordinary Revenue

Government Grant	30,000.000
Grand Total	513,471.389

EXPENDITURE.

Ordinary Expenditure	482,822.436
Extraordinary Expenditure	30,310.000
Total	513,132.436

UNIVERSITY FUNDS (31st MARCH, 1892).

Permanent Fund

Government Bonds (Face-Value)...	13,050.000
Deposits	59,246.076
Total	72,296.076

Special Fund

Government Bonds (Face-Value)...	700.000
Deposits	8,978.718
Total	9,678.718
Grand Total	81,974.794

AN ADDRESS BY THE PRESIDENT ON THE OC-
CASION OF THE GRADUATION CEREMONY
OF THE IMPERIAL UNIVERSITY.

July 10th 1892.

Your Highnesses, your Excellencies, and Gentlemen. We are met together to-day to witness the Graduation Ceremony, at which 203 graduates of the six colleges are enabled, as the result of their many years' assiduous study, to receive what to them are most valuable diplomas. To-day His Imperial Highness the Crown Prince has, by his presence, conferred a great honour on the University and the graduates. In celebrating this happy occasion I should, following the usual precedent, speak at length on the state of the University during the current year and our plans for the next; but as I fear it would take too much time, I shall pass it over and give the report in the *Official Gazette*. I should, however, like to say a few words in connection with the present ceremony. The graduates of the University, together with those who have to-day received their diplomas, number altogether upwards of 1800. Of this large number, some are in government employ, others are engaged in private pursuits; they have devoted themselves, some to higher studies, others to education, industries, engineering, journalism, administrative affairs, judicial duties, the bar, medicine, and various other occupations. They are all assisting the cause of civilization and I am convinced, as their number increases, they will have no slight influence for the good of society; and that will especially redound to the honour of the University. Next I address myself to the graduates. It is certainly a matter of hearty congratulation that you should, through your assiduous study of many years, receive the high honour conferred on you

today ; but your future still lies a long way before you, and far from being contented with slight successes, you must persevere and strive to obtain higher successes. There is another matter to which I must call your attention. When you go into the world and apply yourselves to practical business, never boast of your knowledge, but make it your aim to be discreet and upright in all your dealings, or you will never win the confidence of the world, the want of which would in the end be an irreparable-loss to you. I will now end with employing the advice which I have just given.

THE CONDITION OF THE IMPERIAL UNIVERSITY DURING THE PRESENT YEAR
AND PLANS FOR THE NEXT.

In the College of law, in August last, the curriculum was remodeled, the course was made to extend over four years, the first year's course was put into effect this year, and the whole curriculum will be in practice in four years. As hitherto, there are three sections of subsidiary courses. The second and the third year students will have a special course provided for them and will be enabled to graduate in three years. As to changes in the staff, it may be mentioned, first that Professors Seiichi Suyoka, *Hogakushi*, Michisaburō Miyazaki, *Hogakushi*, Nei Hijikata, *Hogakushi*, Yatsuka Hozumi, *Hogakushi*, Kenjirō Ume, *Hogakushi*, Kenzō Wadagaki, *Bungakushi*, and Nobu Kanai, *Bungakushi*, received the degree of *Hogakuhakushi*, in accordance with Art III. of the Imperial Ordinance on Academical Degrees. Assistant-professor Tōru Terao was appointed a full professor and afterwards placed on the

retired list, whereupon he went, at his own expence, to study in Belgium. Assistant-professor Keijirō Okano was sent for three years to study law in Germany. The following appointments were also made: Mr. Binzō Kumano, *Hogakuhakushi*, Councillor of the Judicial Department, Lecturer for the year on International Law; Mr. Kaoru Tanabe, Judge of the Court of Appeal, Lecturer on Civil Procedure and Judicial Organisation Law; Mr. Kuniomi Yokota, Councillor of the Judicial Department, on Criminal Code; Mr. Inajirō Tajiri, *Hogakuhakushi*, Director of the Revenue Bureau, on Finance; Mr. Sadanaga Kiba, Councillor of the Bureau of Legislation, on Politics; Mr. Teichirō Matsuno, Judge of the Tokyo Court of Appeal, on Exercises in Pleading, and M. Gustave Boissonade de Fontarabie on Principles of Civil Law. M. Hippolyte Augustin Revilliod, Lecturer on French Law, left the University on the expiry of his term of contract. Mr. Alexander Tison, Lecturer on English Law, was, when his term expired on March 7th 1892, reengaged until December 31st of the same year. The graduates in Law, 1st year, numbered 38, and in Politics 5, making a total of 43; of these, one entered the Foreign Office, seven the Home Department, two the War Department, three the Finance Department, eighteen the Judicial Department, one the Communications Department, and two the University Hall; one has become a lawyer, and the occupations of the remaining four are unknown. The graduates this year number 61 in Law and 9 in Politics, making 70 in the whole College. The number of students in the College, at the end of the present year, is three past-graduate students, 315 regular and 12 elective, which make up altogether 330. About 130 are expected to enter next year.

In the College of Medicine, during the present year, Forensic Medicine was added to the subjects for the final-examinations in Medicine. Rules for a course of lectures in State Medicine and for the elective course were also altered. With respect to changes in the staff, Professors Hogara Uno, *Igakushi*, Gentatsu Hamada, *Igakushi*, Kuniyoshi Katayama, *Igakushi*, Juntarō Takahashi, *Igakushi*, Moriharu Miura, *Igakushi*, Shuku Sakaki, *Igakushi*, Sankichi Sato, *Igakushi*, Muneo Kumakawa, *Igakushi*, Chō Hirota, *Igakushi*, Tanemichi Aoyama, *Igakushi*, Jūjirō Komoto, *Igakushi*, and Kentarō Murata, *Igakushi*, received, in accordance with the Art. III. of the Ordinance on Academical Degrees, the degree of *Igaku-hakushi*. Mr. Ryōshō Okamoto was appointed assistant Professor; Mr. Kenji Osawa, Professor and Director of the College, was raised to the *Chokunin* rank and was reappointed Professor and Director of the College, and nominated member of the House of Peers. Mr. Nenjiro Chiba, *Igakushi*, was appointed Assistant Professor. The following persons were granted leave for purposes of scientific investigations: Mr. Shun-ichi Shimamura, Assistant in Psychiatry, to Shimane Ken to investigate possession; Mr. Ikutarō Hirai, Assistant in Medicine, to Ōshima in Izu to study *Kakke* and other internal diseases; Mr. Aiken Sada, Assistant in Pathology, to Hokkaido to collect materials for the study of *Kakke*. At the request of the manager of the Suiri-dōkōkwai at Nitta and two other districts in Gumma Ken, Professor Keizō Tamba was sent twice to that prefecture. On account of the earthquake in Aichi Ken and Gifu Ken, Professor Sankichi Sato, *Igaku-hakushi*, proceeded to the latter prefecture, and Professor Senba to both prefectures, to attend to those injured by the earthquake. The last two were accompanied by seven as-

sistants and at their own request, by students of the University Hall, graduates, and higher students of the College, numbering 47 in all. To examine into the diagnosis of Mr. Shirō Shiozawa, Mr. Kōmin Tanabe, Assistant in Psychiatry, was sent to Sendai.

The graduates last year numbered 39 in Medicine and in Pharmacy, making 40 in all. Of these, two have entered the War Department, thirteen the College of Medicine, two the First Higher Middle School, seven Provincial Medical Schools, Hospitals, Insurance Offices, and other, three the University Hall, one has gone abroad to study, and twelve have commenced private practice. The graduates this year are 31 in Medicine and 2 in Pharmacy, numbering 33 altogether. The number of students in the College at present is 7 post-graduate, 111 regular, and 25 elective, being altogether 143. 42 students are expected to enter next year. Among the Memoirs of the Imperial University published this year is that of the College of Medicine, Vol. I. No. 5, which was, as usual, distributed at home and abroad. The lecture-rooms and Wards for Ophthalmology. Obstetrics, and Paediatrics of the First Hospital have, hitherto, been temporarily placed in the old dormitories, but now, since these buildings, having been constructed many years ago, and already beginning to decay, are quite inadequate for the purpose, it is absolutely necessary to erect, as soon as possible, new buildings for them.

In the Engineering College, to the second year's subjects of the Electrical Engineering Course, that of Electrical and Magnetical Measurements was this year added; in the Architectural Course, first year, Applied Dynamics was abolished and the subjects of Physics and Steam Engine were added instead, and in the third year, Freehand Draw-

ing was added anew ; and in Applied Chemistry, and Mining and Metallurgy Courses, first year, Metallurgy was added. There were also other slight changes in the subjects and hours, which are here omitted. Passing to changes in the staff ; first, Professors Wataru Watanabe, *Kogakushi*, Shinrokurō Miyoshi, *Kogakushi*, Iwata Nakasawa, *Rigakushi*, Sakurō Tanabe, *Kogakushi*, Kageyoshi Noro, *Kogakushi*, Bunji Mano, *Kogakushi*, and Sai Shimizu, *Rigakushi*, received, in accordance with the Art. III. of the Imperial Ordinance on Academical Degrees, the Degree of *Kogakuhakushi*. Mr. Hatsune Nakano, *Kogakushi*, who returned, after completing his studies in England, was appointed Professor ; Professor Genkichi Wakayama resigned his professorship ; Mr. Tsurutarō Matsuo, Instructor in the Naval College and Assistant-professor of the Engineering College, resigned the latter post ; Mr. Keikichi Ishii was appointed Assistant-Professor ; and we record with profound regret the death of Professor Rinzaburō Shida, *Kogakushi*, and Assistant-Professor Yoshiyasu Ono. Assistant-Professor Tatsutarō Nakamura, *Kogakushi*, was sent to America and Europe to study Architecture. The following lecturers were appointed for the year : Mr. Kiyoyosui Kigo, Architect of the Imperial Household Department, to lecture on Japanese Architecture ; Mr. Ichisuke Fujioka, *Kogakuhakushi*, on Electrical Transmission and Electric Lighting in the Electrical Engineering Course ; Yoshitsugu Kurata, Engineer to the Tokyo Prefecture, on Civil Engineering ; Mr. Tsunashirō Wada, Director of the Mining Bureau in the Department of Agriculture and Commerce, on Mining Law ; Mr. Motogi Kondō, Engineer to the Naval Department, on Naval Construction ; Professor Hisashi Matsuoka, of the War Department, on Decorative and Freehand

Drawing ; Mr. Saitarō Ōi, Engineer of the Telephone Exchange Office, on Telephony, in the Electrical Engineering Course ; Mr. Hachiya Ishida, Engineer to the Imperial Household Department, on Mining and Metallurgy, Mr. Taki Ōtake, Engineer to the Senju Cloth-Manufactory, on Textile Manufacture in the Mechanical Engineering Course ; and Mr. Tatsuzō Sone, during the third term, on Architecture.

The number of graduates last year was seven in Civil Engineering, three in Mechanical Engineering, one each in Naval Architecture and Electrical Engineering, two each in Architecture and Applied Chemistry, one in Technology of Arms, and two in Mining and Metallurgy, making 19 in all. Of these six have entered the Public works Superintendence Offices, two the Railway Board ; one each the Departments of Agriculture and Commerce, and Communications ; two the Mines Superintendence Offices ; one the Imperial Estates Bureau ; two, Private Companies, and one the University Hall ; and three have gone to study abroad. The graduates this year number seven in Civil Engineering, one each in Chemical Engineering, Naval Architecture, and Technology of Arms ; four in Electrical Engineering, five in Architecture, one in Applied Chemistry and five in Mining and Metallurgy ; making altogether 25. Students in the College, at present, consist of 2 post-graduates, 108 regular, and 17 elective, or 127 in all. About 70 students are expected to enter, and nearly 34 to graduate next year. In the year following, applicants for entrance are expected to amount to over 120. This sudden increase in the number of students makes it impossible to accommodate them all in the present buildings, and it was proposed to construct at once

new buildings ; but the proposal was rejected by the House of Representatives at their second session. It is now proposed, under these circumstances, to make use of some buildings, outside the College, for the accommodation of these students. Again, it is intended, next year, to add to the third year students of the Architectural Course those of Execution of works.

In the College of Literature there has been no alterations in the curricula. As to changes in the staff, first, Professors Hisashi Hoshino, Tetsujirō Inouye, *Bungakushi*, Kumazō Tsuboi, *Bungakushi*, *Rigakushi*, and Yujirō Matora, in accordance with the Art. III. of the Imperial ordinance on Academical Degrees, received the degree of *Bungakuhakushi*. Mr. Masakoto Kimura, Secretary of the Educational Department, was appointed Professor, as also Mr. Kumazō Tsuboi, *Bungakushi*, *Rigakushi*, who returned after completing his studies in Germany. Mr. Shinjitsu Hidaka, *Bungakushi*, on his return after completing his studies in England was appointed Professor of the Higher Normal College and of the Literature College ; Mr. Yoshinari Tanaka became Assistant-Professor ; Professor Kunitake Kume was placed on the retired list and afterwards resigned. The following lecturers were appointed for the year : Mr. Kiyonori Konakamura, *Bungakuhakushi*, to lecture on Japanese Literature and History of Japanese Legal Institutions ; Mr. Sensei Murakami on Hindu Philosophy ; Mr. Rikizo Nakajima on Ethics ; Mr. Chojibo on Chinese Language ; Mr. Kuwasaburō Takatsu, *Bungakushi*, Professor of the First Higher Middle School, (from the commencement of the academical year till January 1892) on Japanese Literature ; Professor Sei-ichi Nojiri of the Higher Normal College, on Pedagogy ; Mr.

Emilio Binda on Italian Language ; Mr. Sanji Mikami, *Bungakushi*, on History, and M. Emile Heck on French Language and Literature. Mr. James Main Dixon, Professor of English Language and Literature, was, on the expiry of his term of contract, reengaged as lecturer on English Literature, until the end of the year, when he withdrew from the institution.

The graduates last year numbered four in Philosophy, one each in History and English Literature, and two in German Literature, making 8 altogether. Of these one entered the Educational Department, two Higher Middle Schools, two private Schools, and two the University Hall. The graduates this year are, in number, two in Philosophy, and one each in Japanese Literature, and History, thus making up four in all. The students in the College at present consist of 6 post-graduates, 41 regulars, and 52 electives, thus amounting up to 99 altogether. 32 students are expected to enter next year.

In the College of Science, there have been no alterations in the curricula. As to those in the staff ; Mr. Aikitsu Tanakadate, *Rigakushi*, who returned after completing his studies in English, was appointed Professor. The Degree of *Rigakuhakushi* was, in accordance with Art. III. of the Imperial Ordinance on Academical Degrees, conferred on Professors Dirō Kitao, Jinzō Matsumura, Aikitsu Tanakadate, *Rigakushi*, Matajirō Yokoyama, *Rigakushi*, Isao Ijima, *Rigakushi*, and Rikitarō Fujisawa, *Rigakushi*. Mr. Goiechi Sawada, *Rigakushi*, was appointed Lecturer on Mathematics in the Elementary Science Course ; Mr. Seitarō Gotō, *Rigakushi*, was also appointed Lecturer on English instead of Lecturer on the Elementary Science Course as hitherto, and Mr. Kotarō Saida, *Rigakuhakushi*, on Physics

in the same course. Mr. Fusakichi Omori was released from assistantship in the College, and appointed to make investigations in Seismology.

The graduates last year numbered one each in Physics, Mathematics, Zoology, and Botany. Of these, one has entered the Higher Commercial School, and another the Yamaguchi Higher Middle School, a third has become Lecturer in the agricultural and Science Colleges, and the last has entered the University Hall. The graduates this year number one each in Mathematics and Astronomy, two in Physics, and one each in Chemistry, Zoology, Botany, and Geology, making 8 in all. Four post-graduates and one elective student have completed their studies, and those who have gone through the Elementary Course number 23. The students at present in the College consist of 7 post-graduates, 32 regular, 13 elective, and 58 elementary course, or 111 in all. 20 regular and 11 elective students are expected to enter next year. During the present year the Imperial University published its Science Memoirs Vol. IV. No. 2 and Vol. V. Nos. 1, 2. and, as usual, distributed them among Japanese and foreign men of science and sent them also to great colleges and museums of Europe and America in exchange for their publications. They have been highly spoken of by various scientific journals of Europe and America, and many learned societies and institutions have expressed their desire for exchange. In the College of Agriculture, regulations for dormitories and superintendence of private boarding-houses were determined. Alterations and additions were made in the regulations for the subsidiary course in Agriculture, Forestry, and Veterinary Medicine. Regulations for Voluntary Farm Labourers were also established. Re-

garding changes in the staff, first, the Degree of *Rigaku-hakushi*, was conferred, in accordance with the Art. III. of the Imperial Ordinance on Academical Degrees, on Professors Dirō Kitao, Chūjirō Sasaki, *Rigakushi*, and Chiyo-matsu Ishikawa, *Rigakushi*. Professor Giemon Sudō of the Sapporo Agricultural College, received an additional appointment as Assistant-professor at the University, and was afterwards released from the former chair; Assistant-Professor Sennosuke Fujishima became a full professor, Professor Tsuneaki Sako received an additional appointment as scientific expert to the Agricultural and commercial Department; Mr. Seiichi Ikeno, *Rigakushi*, was appointed Professor; Assistant-Professors Ryūjirō Nakagawa and Kunijirō Wada were transferred to the Forestry Superintendence Office; Mr. Hiroi Isoyama, a clerk of the Agricultural and Commercial Department and Mr. Eikichi Shibata, Assistant-Superintendent of Forest, were appointed Assistant-Professors; Assistant-Professor Kuranosuke Matsuzaki was sent for three years to Germany to study Finance, Agriculture, and Political Economy; Assistant-Professor Yosaburō Tamachi was transferred to the Imperial Estates Bureau; Mr. William Douglas Cox, Lecturer on English Language, was reengaged from July 1st 1891 to June 30th 1892; Seiichirō Ikeno, *Rigakushi*, was released from lecturership on Botany; Mr. Tokinori Yokoi, *Nogakushi*, was, for the first term, appointed Lecturer on Agriculture; Mr. Shunji Omori, *Rigakushi*, was appointed for the Year, Lecturer on Mathematics and Surveying; Mr. Hayato Fukuwa, of the Imperial Estates Bureau, was similarly appointed to lecture on Horticulture, Mr. Goichi Sawada, *Rigakushi*, on Mathematics and Physics, Mr. Keijirō Matsumoto, Assistant-Manager of the

War Department, on Encyclopedia of Law, and Mr. Ryō Isoda, *Bungakushi*, on Universal History.

The graduates last year numbered 9 in the 1st Section and 3 in the second section, or 12 in all, in the Agricultural Course; of these one has entered the Okinawa Prefectural Office, three the Agricultural College, two Common Normal Schools, five Common Middle Schools, and one each a private school and the Agricultural Association of Kyoto. Those who graduated in the subsidiary Course are in number 20 in Agriculture, 18 in Forestry, and 23 in Veterinary Medicine, making a total of 61. Of these one has gone to Okayama, two have entered the Ishikawa Agricultural School, two the District Offices in Okayama and Okinawa, three the Agricultural Institutions of Iwate, Miyagi and Yamagata Ken, on each the Sericultural Institution in Yamagata, the Shigi Pastrage in Kagoshima Ken, the Economical Association of Gumma Ken, the Imperial Mews Bureau, the Imperial Estates Bureau, and Hokkaido, twelve various Forestry Superintendence Offices, one each the Prefectural Offices of Shimane and Miyagi, and the Agricultural College; one has gone abroad, one is an elective student in the College, three are voluntary conscripts, nine have begun private practice as veterinary surgeons, five are also engaged in business, and finally the occupations of the remaining nine are unknown. The graduates this year number 23 in the first section and 3 in the second, of the Agricultural Course, 26 in Forestry, and 11 in Veterinary Medicine, making 63 altogether. The students actually in the College consist of 116 regular, 99 preparatory, 184 Subsidiary Course and 3 elective, or 402, altogether.

Having thus given a short account of the condition

of the six Colleges, we proceed to touch upon matters connected with the University and University Hall. As regards charges in the staff, we may observe that Mr. Masatomo Tsuchiya, Secretary of the University and Superintendent of Dormitories in the Agricultural College, had the latter office made his principal post and the former subsidiary to it; and Mr. Basil Hall Chamberlain, formerly Professor of the College of Literature was appointed Honorary Professor of the University. Mr. Tōru Terao, *Horitsugakushi*, formerly Professor of the Law College, who had gone to Belgium at his own expense, and Mr. Shogoro Tsuboi, *Rigakushi*, who had been sent to England by the Educational Department, were appointed to represent the Imperial University at the International Congress on Criminal Anthropology, which is to be held in Brussels in August of the present year. The students, actually in the University Hall are, *Hogakushi* 7, *Yakugakushi* 1, *Kogakushi* 4, *Bungakushi* 7, *Rigakushi* 12 and *Ringakushi* 1, or 41 in all. Those who enjoy scholarships founded by the Educational Department, other Government Offices, and private companies and persons are in number 127, of whom 34 are in Law, 6 in Medicine, 54 in Engineering, 19 in Literature, and 14 in Science. As, moreover, many scholars who, after their graduation or on leaving the University, have returned the money they had received, more students will receive the benefit of scholarships made available by these refunded sums. On July 24th last year, the maximum number of the members of the University staff was determined by the Imperial Ordinance No. CXXXVI; the Salaries of the Higher Officials of the University, Schools under the Direct Control of the Educational Department, and Public Libraries, by

the Ordinance No. CXXXIX; and the number of Professors and Assistant Professors in the University, by the ordinance No. CXL.

During the past (1891-2) fiscal year, the actual Revenue and Expenditure of the University were as follows : The Ordinary Revenue consisted of the government grant of *yen* 366,696.498, (of which *yen* 1534.498 came from the first Reserve fund, tuition fees and other college receipts, *yen* 107,670.841, and donations with specified objects, which amounted to *yen* 5956.428) the total of the three items came up to *yen* 480,323.767. The ordinary expenditure consisted of current expenses amounting to *yen* 472,581.426 and payments out of the special donations, *yen* 3,145.507, the total being 475,726.933, which left a surplus of *yen* 4,596.834. Of this surplus, *yen* 310 was carried to the New Buildings Account in the Extraordinary Revenue Section, *yen* 1500.752 to the Permanent fund account, (including the amount brought over from the Special Donations Account of the preceding year to the permanent fund account), *yen* 272.684 to the Special Fund Account, and *yen* 2,513.398 was carried over to the year's special donations account. In the Extraordinary Revenue Section, for the construction of new buildings the government granted *yen* 30,000; *yen* 20,244.531 was brought over for the same purpose from the preceding year, *yen* 310 was carried to the same account from the College receipts, which give total sum thus available for the buildings *yen* 50,554.531; in the Extraordinary Expenditure Section, *yen* 31,594.48 was required for the construction of the Library and Biological Lecture-rooms, and *yen* 310 for other new buildings, which are the total for *yen* 31,900.48, and the surplus thus obtained of *yen*

18,654.051 was brought over to the succeeding year. The New Library is already approaching completion, which is expected to come into service in the course of the present year, and the Biological Lecture-rooms, of which more than half has already been constructed, will be completed in March 1893. Additions to the Library during the twelve months from July 1891 to June 1892, were 2078 books in 8088 volumes, of which 1602 books in 5767 volumes were purchased and 476 books in 2321 volumes were presented. The total sum expended on the books purchased was *yen* 8049; besides this, more sums were paid for scientific apparatus and specimens, the details of which are here omitted.

SUZZUON
Yamaps
Shiga.
Gifu.
Nagano.
Miyagi.
Fukush.
Iwate.
Aomori.
Yamaga
Akita.
Fukui.
Ishikaw
Toyama
Tottori.
Shimane
Okayam
Hiroshi
Yamagu
Wakaya
Tokushi
Kagawa.
Yehime.
Kōchi.
Fukuok
Ōita.
Saga.
Kumam
Miyazak
Kagoshi
Okinawa
Total.



AVERAGE AGES OF GRADUATES DURING THREE YEARS.

College or Hall.	1890.		1891.		1892.		Average of above three years.
	Years	Months.	Years	Months.	Years	Months.	
Law College.	24.	10+	25.	+	25.	5+	25 1+
Medical College.	25	6+	26	3+	27+		26 2+
Engineering College ..	23	8+	24	2+	2	6+	24 6+
Literature College	24	2+	25	4+	25	3+	25 1+
Science College	23	2+	27+		23+	9	24 1+
Agriculture College ..	24	10+	23	5+	25	4+	25+ 3
Average of whole Number in Six Colleges ..	24	9+	25	3+	25	7+	25 2+

The Ages are reckoned to the month of the Graduation
in each College.

AVERAGE AGES (SEPTEMBER, 1892).

College or Hall.	AGES.			
	Regular Students.		Other Students.	
	Years.	Months.	Years.	Months.
University Hall	26+		0	
Law College	24	5+	23	2+
Medical College	25	5+	25	10+
Engineering College	23	7+	24	2+
Literature College	24+		24+	
Science College	23	9	23	4+
Agricultural College	23	5+	22	2+

YEARS OF GRADUATION.
(30TH SEPTEMBER, 1892.)

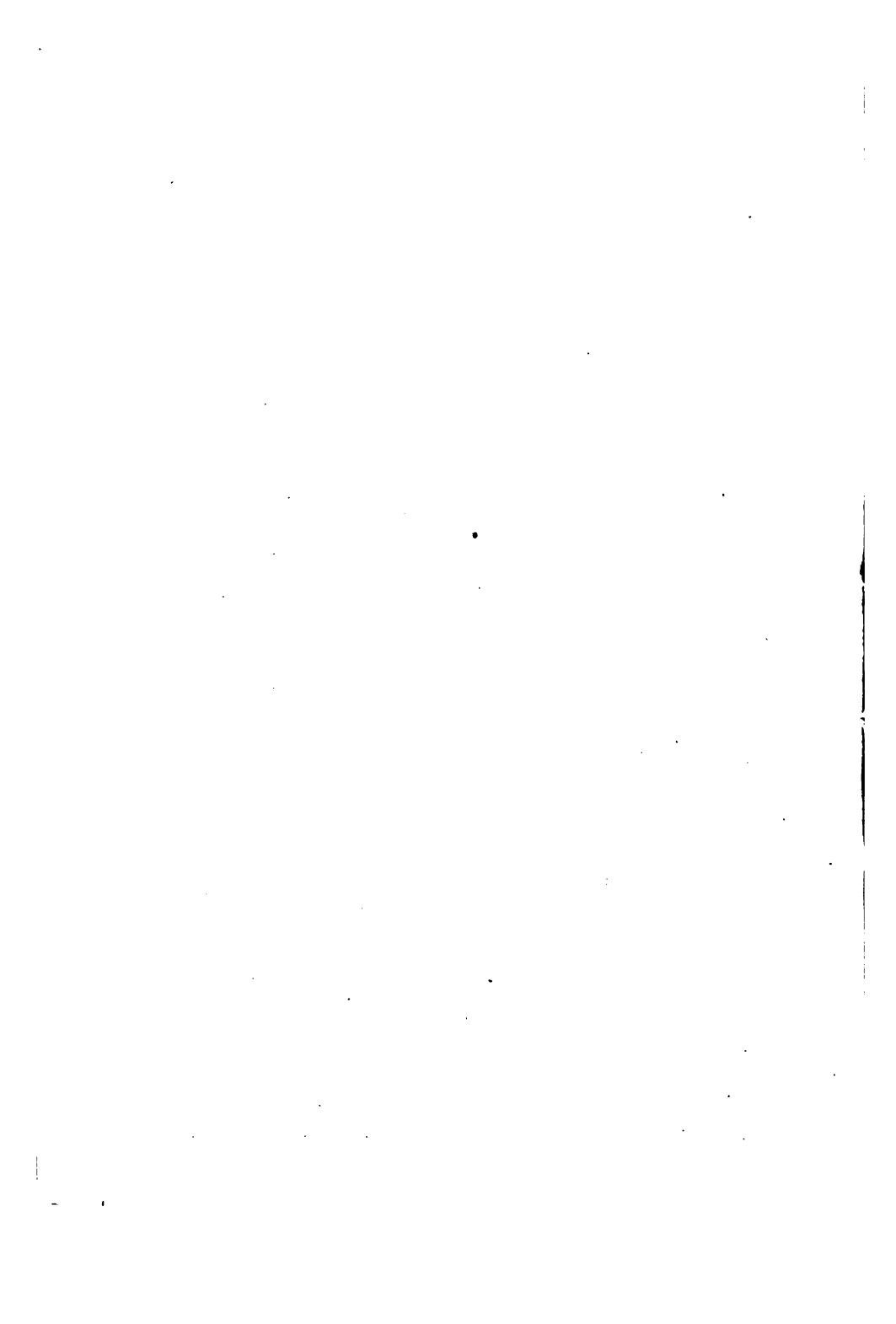
College. Year.	Law College.	Medical College.	Engineer- ing College.	Litera- ture College.	Science College.	Agricul- ture College.	Total.
1876		31					31
1877					3		3
1878	6	9			15		30
1879	9	30	23		22		84
1880	6	17	40	8	24	43	138
1881	9	39	39	6	17		110
1882	8	32	35	4	20	20	119
1883	8	27	35	10	22	5	107
1884	6	13	21	13	11		64
1885	10	17	18	6	15	32	98
1886	11	24	26	4	6	37	108
1887	11	30	19	3	4	23	90
1888	59	29	35	2	7	25	157
1889	39	43	20	6	10	6	124
1890	83	49	28	5	10	25	200
1891	43	40	19	8	4	12	126
1892	70	33	25	4	8	63	203
Total.	378	463	393	79	198	291	1,792

OCCUPATIONS OF GRADUATES. (30TH SEPTEMBER, 1892.)

Occupations.	Law College.	Medical College.	Engineering College.	Literature College.	Science College.	Agriculture College.
Administrative Officers..	121				2	49
Law Officers ..	□ 2 127		1	21		
Teachers in Government & Prefectural Schools	8	114	Δ 1 34	27	92	65
Government Experts ..	Δ 1	11	152	Δ 1	Δ 2 49	63
Government Medical Officers ..		○ 4 126			* 1	
Government Pharmacists ..						18
Government Veterinary Surgeons ..						
Members of the House of Peers..			1			
Members of the House of Representatives ..	● 2			1		
Teachers in Prefectural Agricultural Institutions..	1					11
Principals and Teachers of Private Schools..	2		5	5	2	6
Bank Employees ..	9		22	2	4	
Experts in Private Employ ..	1		77			
Employees of Private Companies ..	10		□ .1 34		9	
Engineers of Private Mines..	29					
Practising Lawyers..	● 2					
Doctors in Private Hospitals and Companies		8			3	8
Medical Practitioners ..		126	20	5		1
Engaged in Private Enterprise ..	● 2				10	
Students of University Hall..	6	7	*	6	Δ 2	
Students in Foreign Countries ..	1	○ 4	3	Δ 1	* 1	3
Voluntary Conscripts for one year ..	2	16	1	×	×	2
Ordinary Conscripts ..	9	3	14	1	2	
Post Graduates Students ..					1	40
Without Occupation ..					4	4
Occupation Unknown ..					14	15
Deceased ..						
Total..	384 (Actual Number 378)	467 (Actual Number 463)	385 (Actual Number 383)	81 (Actual Number 79)	263 (Actual Number 198)	286

Signs over figures denote that they are repeated elsewhere.

B.—The deficiency of five in the number of graduates of the Agricultural College when compared with the list arranged according to the Years of Graduation is to be accounted for by the fact, that these graduates possess two different degrees. In the present list only the actual numbers are given.



The Journals of the Medical and Science Colleges and Memoirs of the Literature College have been published by the Imperial University as follows ;

INHALT.

DER

MITTHEILUNGEN AUS DER MEDICINISCHEN FACULTÄT,

- Das Contagium der Syphilis**, von Dr. J. DISSE, Professor der pathologischen Anatomie und Dr. K. TAGUCHI, Professor der normalen Anatomie an der Kaiserlichen Universität zu Tokio.
- Zur Kenntniss der Chylurie**, (aus der medicinischen Klinik der Herrn Professor Baelz) von Dr. K. MURATA, Assistentarzt der inneren Klinik an der Kaiserlichen Universität zu Tokio.
- Untersuchungen über die Wirkung des Macleyn's auf den thierischen Organismus. Erste Abhandlung** von Dr. Y. INOKO, Assistent an dem pharmacologischen Institut, an der Kaiserlichen Universität zu Tokio
- Das Nervensystem bei fibrinöser Pneumonie**, von Dr. K. Baelz, Professor der klinischen Medicin an der Kaiserlichen Universität zu Tokio.
- Lage des inneren Ohres**, von TSUKANU IMADA, Assistant-professor der Anatomie an der Kaiserlichen Universität zu Tokio.
- Ein Beitrag zur Kenntniss der Samen von Pharbitis triloba Mica**, Von K. HIRANO, Assistent an dem pharmaceutischen Institut an der Kaiserlichen Universität zu Tokio.

Ueber vier Koreaner-Schädel, von Dr. KOGANEI, Professor der Anatomie an der Kaiserlichen Universität zu Tokio.

Beiträge zur Constitution des Scopoletins, von Dr. D. TAKAHASHI, Professor der Pharmakologie an der Kaiserlichen Universität zu Tokio.

Arbeiten aus dem pharmakologischen Institut. I. Untersuchungen über die pupillenerweiternde Wirkung der Ephedrins, von Dr. D. TAKAHASHI, Professor der Pharmakologie und Dr. K. MIURA, Assistent der inneren Klinik an der Kaiserlichen Universität zu Tokio.

Toxikologisches über einen japanischen Giftschwamm, von Dr. Y. INOKO, Assistent an dem Pharmacologischen Institut an der Kaiserlichen Universität zu Tokio.

Arbeiten aus dem pharmakologischen Institut. II. Untersuchungen über einen Bestandtheil der Scutellaria lanceolaria, von Dr. TAKAHASHI, Professor der Pharmakologie an der Kaiserlichen Universität zu Tokio.

Ueber die giftigen Bestandtheile und Wirkungen des japanischen Pantherschwammes (Amanita pantherina), von Dr. Y. INOKO, Assistent-Professor der Pharmakologie an der Kaiserlichen Universität zu Tokio.

Ueber die Einflüsse einiger Thierblutarten auf Millbrandbacillen, (Aus der hygienischen Institut) von Dr. M. Ogata, Professor an der Kaiserlichen Universität zu Tokio, und YASUHARA.

Ueber die japanische Baldrianwurzel (Kisso) von Dr. Y. SHIMOYAMA, und K. HIRANO. Mittheilung aus dem pharmaceutischen Institut an der Kaiserlichen Universität zu Tokio.

Ueber Picrasma eilantoides Planch von Dr. Y. SHIMOYAMA, Professor der Pharmacie an der Kaiserlichen Universität zu Tokio und K. HIRANO (Assistent).

Ueber den Narcotingehalt einiger einheimischen Opiumsorten, von K. UYENO (Pharmaceut).

Untersuchungen über die Kost Studenten der Kaiserlichen Universität zu Tokio, (Aus dem hygienischen Institut) von Dr. J. TSUBOI, Assistent-Professor an der Kaiserlichen Universität zu Tokio, und Dr. H. MURATA Militärarzt der Armee.

Ueber die Einflüsse einiger Thierblutarten auf einige pathogene Bacterien, (Aus dem hygienischen Institut) von

INHALT.

Dr. M. OGATA Professor der hygiene an der Kaiserlichen Universität zu Tokio, und **YASUHARA**.

Beitraege zur Kenntniss des Fugugiftes von **Dr. D. TAKAHASHI**, und **Dr. Y. INOKO**, Assistent-Professor an der Kaiserlichen Universität zu Tokio.

Zur Kenntniss von einer neuen, ungesättigten Fettsäure von **Dr. Y. SHIMOYAMA**, Professor der Pharmacie an der Kaiserlichen Universität zu Tokio.

Ueber die Alkaloide von Datura alba Nees. Von **Dr. Y. SHIMOYAMA**, Professor der Pharmacie an der Kaiserlichen Universität und **T. KOSHIMA** (*Pharmaceut*).

Ueber das Vorkommen des Thymols im ætherischen Oele von Mosula japonica von **Dr. Y. SHIMOYAMA**, Professor der Pharmacie an der Kaiserlichen Universität und **H. OHO** (*Pharmaceut*).

CONTENTS
OF
THE MEMOIRS OF THE LITERATURE COLLEGE,
No. I.

The Language, Mythology, and Geological Nomenclature of Japan viewed in the Light of Aino Studies. By **BASIL HALL CHAMBERLAIN**, Professor of Japanese and Philology in the Imperial University; including "An Ainu Grammar" by **JOHN BATCHELOR**, Church Missionary Society.

CONTENTS.
OF
THE JOURNAL OF THE COLLEGE OF SCIENCE.

Vol. I.
(WITH 29 PLATES.)

On the Life History of Ugimiya Sericaria, Rondani. By C. SASAKI, *Rigakushi*. Professor in the Agricultural and Dendrological College, Tōkyō (*Plates I-VI*.)

Notes on Distoma Endemicum, Raelz. By ISAO IJIMA, Ph. D., Professor of Zoology, Imperial University. (*Plate VII*.)

Comparison of Earthquake Diagrams simultaneously obtained at the Same Station by two Instruments involving the Same Principle, and thereby proving the Trustworthiness of these Instruments. By SEIKI SEKIYA, Professor of Seismology, Imperial University. (*Plates VIII-XI*.)

Ueber die Deformation der Metallplatten durch Schleifen. Von Dr. Phil. H. MURAOKA, Professor der Physik, Erste Höhere Mittelschule.

A Note on Glancophane. By B. Kōrō Ph. D., Professor of Geology, Imperial University. (*Plate XII*.)

Mercury Sulphites, and the Constitution of Oxygenous Salts. By EDWARD DIVERS, M. D., F. R. S., Professor of Chemistry, Imperial University, and TETSUKICHI SHIMIDZU, M. E. of the Chemistry Section of the Department of Agriculture and Commerce.

On the Reduction of Nitrites to Hydroxyamine by Hydrogen Sulphide. By EDWARD DIVERS, M. D., F. R. S., Professor of Chemistry, Imperial University, and TAMEMASA HAGA, M. S. C. I., Assistant-Professor of Chemistry, Imperial University.

- Beiträge zur Theorie der Bewegung der Erdatmosphäre und der Wirbelstürme.** Von Dr. Phil. DRÖ KITAŌ. Professor für Physik und Mathematik an der Kaiserlichen Forstlichlandwirthschaftlichen Academie zu Tōkyō. (*Hierzu Tafel XII*)
- On the Formation of the Germinal Layers in Chelonia.** By K. MITSUKURI, Ph. D. Professor of Zoology, and C. Ishikawa, Assistant in Zoology, Imperial University. (*Plates XIV-XVII*)
- On the Caudal and Anal Fins of Gold-fishes.** By S. WATASE, *Nōgakushi*, of the Sapporo Agricultural College and of the Imperial University. (*Plates XVIII-XX*)
- Some Notes on the Giant Salamander of Japan (*Cryptobranchus Japonicus*, Van der Hoeven).** By C. SASAKI, *Rignkushi*, Professor in the Agricultural and Dendrological College, Tōkyō.
- A Pocket Galvanometer.** By A Tanakadate, Assistant-Professor of Physics, Imperial University.
- Some Occurrences of Piedmontite in Japan.** By B. Kōtō Ph. D., Professor of Geology, Imperial University. (*Plate XXI*)
- The Severe Japan Earthquake of the 15th of January, 1887.** By S. SEKIYA, Professor of Seismology, Imperial University (*Plates XXII-XXIV*.)
- Notes on the Electric Properties of Nickel and Palladium.** By C. G. KNOTT. D. Sc. (Edin.) F. R. S. E., Professor of Physics, Imperial University.
- Note on the Constants of a Lens.** By A. TANAKADATE, Assistant Professor of Physics, Imperial University.
- Ueber einige Tricladen Europa's.** By ISAO IJIMA, Ph. D., Professor of Zoology, Imperial University. (*Plate XXV*.)
- A Model Showing the Motion of an Earth-Particle during an Earthquake.** By SEIKI SEKIYA, Professor of Seismology, Imperial University. (*Plates XXV-XXVII*.)
- On Aluminium in the Ashes of Flowering Plants.** By HIKOROKURŌ YOSHIDA, F. C. S., Assistant-Professor of Chemistry, Imperial University.
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- Notes on a Large Crystal Sphere.** By Cargill G. KNOTT, D. Sc.,

F. R. S. E., Professor of Physics, Imperial University.
Marine Biological Station of the Imperial University at Misaki. By KAKICHI MITSUKURI, Ph. D., Professor of Zoology Imperial University. *Plates (XXVIII-XXIX.)*

Vol. II.

(WITH 27 PLATES.)

Ueber die Parstellbarkeit Willkürlicher Function durch Reihen die nach den Wurzeln einer transcendenten Gleichung fortschreiten. Von Dr. Ph. R. FUJISAWA, *Rigakushi.*

On the Composition of Bird-Lime. By EDWARD DIVERS, M. D., F. R. S., Professor, and MICHITADA KAWAKITA, M. E., F. C. S. Assistant-Professor of Chemistry, Imperial University.

On Anorthite from Miyakejima. By YASUSHI KIKUCHI, *Rikakushi*, Assistant-Professor of Geology, Imperial University (*Plate I.*)

The Source of Bothriocephalus latus in Japan. By ISAO IJIMA, *Rigakushi*, Ph. D., Professor of Zoology, Imperial University.

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On the so-called Crystalline Schists of Chichibu (The Samba-gawan Series). By BUNJIRŌ KOTŌ, *Rigakushi* Ph. D., Professor of Geology, Imperial University. (*Plates II-V.*)

On the Plants of Sulphur Island. By SAMURŌ ŌKUBO, Assistant-Professor of Botany, Imperial University.

Some New Cases of the Occurrence of Bothriocephalus liguloides Lt. By ISAO IJIMA, *Rigakushi*, Ph. D. and KENTARŌ MURATA, *Igakushi* (*Plate V. bis.*)

A Magnetic Survey of all Japan, carried out, by order of the President of the Imperial University. By CARGILL G. KNOTT, D. Sc. (Edin.) F. R. S. E., Professor, and AKITSU TANAKADATE, *Rigakushi*, Assistant-Professor of Physics, Imperial University. (*Plates VI-XV.*)

Determination of the Thermal Conductivity of Marble. By

- KENJIRŌ YAMAGAWA**, *Rigakuhakushi*, Ph. B., Professor of Physics, Imperial University.
- Combined Effects of Torsion and Longitudinal Stress on the Magnetization of Nickel.** By H. NAGAOKA, *Rigakushi* (Plates XVI-XIX.)
- On the Magnetization and Retentiveness of Nickel Wire under combined Torsional and Longitudinal Stresses.** By H. NAGAOKA, *Rigakushi*. (Plates XX-XXIV.)
- Specific Volume of Camphor and of Borneol determined with Proximate Accuracy.** By MITSURU KUHARA, *Rigakushi*, Ph. D.
- Beiträge zur Theorie der Bewegung der Erdatmosphäre und der Wirbelstürme.** Von Dr. Phil. DRŌ KITAO. Professor für Physik und Mathematik an der Kaiserlichen Forstlichlandwirthschaftlichen Academie zu Tōkyō. (*Hierzu Tafel XXV-XXVI*.)
- Note on the Specific Volumes of Aromatic Compounds.** By JŌJI SAKURAI, F. C. S., Professor of Chemistry, Imperial University.

Vol. III.

(WITH 30 PLATES.)

- Jurassic Plants from Kaga, Hida, and Echizen.** By MATAJIRŌ YOKOYAMA, *Rigakushi*. (Plates I-XIX.)
- On Proxenic Components in certain Volcanic Rocks from Bonin Island.** By YASUSHI, *Rigakushi*, Assistant-Professor of Geology, Imperial University. (Plates XIV. bi.s)
- The Eruption of Bandaisan.** By S. SEKIYA, Professor of Seismology and Y. KIKUCHI, *Rigakushi*, Assistant-Professor of Geology, Imperial University. (Plates XV-XXIV.)
- On Magnetic Lagging and Priming in Twisted Iron and Nickel Wires.** By CARGILL G. KNOTT, D. Sc. (Edin.), F. R. S. E., Professor of Physics, Imperial University. (Plate XXV-XXVI.)
- Effect of Twist on the Magnetization of Nickel and Iron.** By H. NAGAOKA, *Rigakushi*, Imperial University Plate HHVII.)
- Oxyamidodisulphonates and their Conversion into Hyponitrites** By EDWARD DIVERS, M. D., F. R. S., Professor, and

- TAMEMASA HAGA, F. C. S., Assistant-Professor of Chemistry, Imperial University.
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- On Cordierite as Contact Mineral.** By YASUSHI KIKUCHI, *Rigakushi*, Assistant-Professor of Geology, Imperial University. (*Plate XXVIII.*)
- Transient Elective Currents produced by twisting Magnetized Iron, Steel and Nickel wires.** By H. NAGAOKA, *Rigakushi*, Imperial University. (*Plates XXIX, XXX.*)

Vol. IV.

(WITH 40 PLATES.)

- On the Foetal Membranes of Chelonia (Contributions to the Embryology of Reptilia II).** By K. MITSUKURI, Ph. D., *Rigakuhakushi*, Professor of Zoology, Imperial University. (*Plates I-X.*)
- On the Development of Araneina.** By KAMAKICHI KISHINOUE, *Rigakushi*, Science College, Imperial University. (*Plates X-XVI*)
- Observations on Fresh-Water Polyzoa.** (*Peottinatella gelatinosa*, nov. Sp.) by A. OKA. Imperial University. (*Plates XVII-XX.*)
- On Diplozoon Nipponicum, N. Sp.** By SEITARÔ GOTÔ, *Rigakushi*, Post-Graduate Student in Zoology, Imperial University. (*Plates XXI-XXIII.*)
- A New Species of Hymenomycetous Fungus Injurious to the Mulberry Tree.** By NOBUJIRÔ TANAKA. (*Plates XXIV-XXVII.*)
- Notes on the Irritability of the Stigma.** By M. MIYOSHI

- Rigakushi. Plates XXVIII, XXIX.)*
- Notes on the Development of the Suprarenal Bodies in the Mouse.** By MASAMARO INABA, *Rigakushi. (Plates XXX, XXXI.)*
- On Some Fossil Plants from the Coal-bearing Series of Nagato.** By MATAJIRO YOKOYAMA, *Rigakuhakushi*, Professor of Geology, Imperial University. (*Plates XXXIII-XXXIV.*)
- Comparison of Earthquake Measurements made in a Pit and on the Surface on the Ground.** By S. Sekiya, *Rigakuhakushi*, Professor and F. OMORI, *Rigakushi*, Assistant of Seismology, Imperial University.
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- Effect of Magnetization on the Permanent Twist of Nickel Wire.** By H. NAGAOKA, *Rigakushi*, Assistant-Professor of Physics. (*Plate XXXVIII.*)
- On Certain Thermoelectric Effects of Stress in Iron.** By C. G. KNOTT, D. Sc., F. R. S. E., Professor of Physics, and S. KIMURA, *Rigakushi*. (*Plate XXXIX.*)
- On some Cretaceous Fossils from Shikoku.** By MATAJIRŌ YOKOYAMA, *Rigakuhakushi*, Professor of Geology, Imperial University (*Plate XL.*)

Vol. V. Part I.

- Studies on Reproductive Elements. I. Spermatogenesis, Oogenesis, and Fertilization in *Diplomus* sp.** By C. ISHIKAWA, Ph. D., *Rigakuhakushi*, Professor of Zoology, Agricultural College, Imperial University. (*Plates I.*)
- Further Studies on the Formation of the Germinal Layers in *Chelonia* (*Contributions to the Embryology of Reptilia III*).** By K. MITSUKURI, Ph. D. *Rigakuhakushi*, Professor of Zoology, Science College, Imperial University, Tokyo, Japan. (*Plates II-IV.*)
- On the Development of *Limulus Longispina*.** By Kamakichi

Kishinouye, Rigakushi, Science College, Imperial University
Plates V-XI.)

On the Lateral Eyes of the Spider. By KAMAKICHI KISHINOUE,
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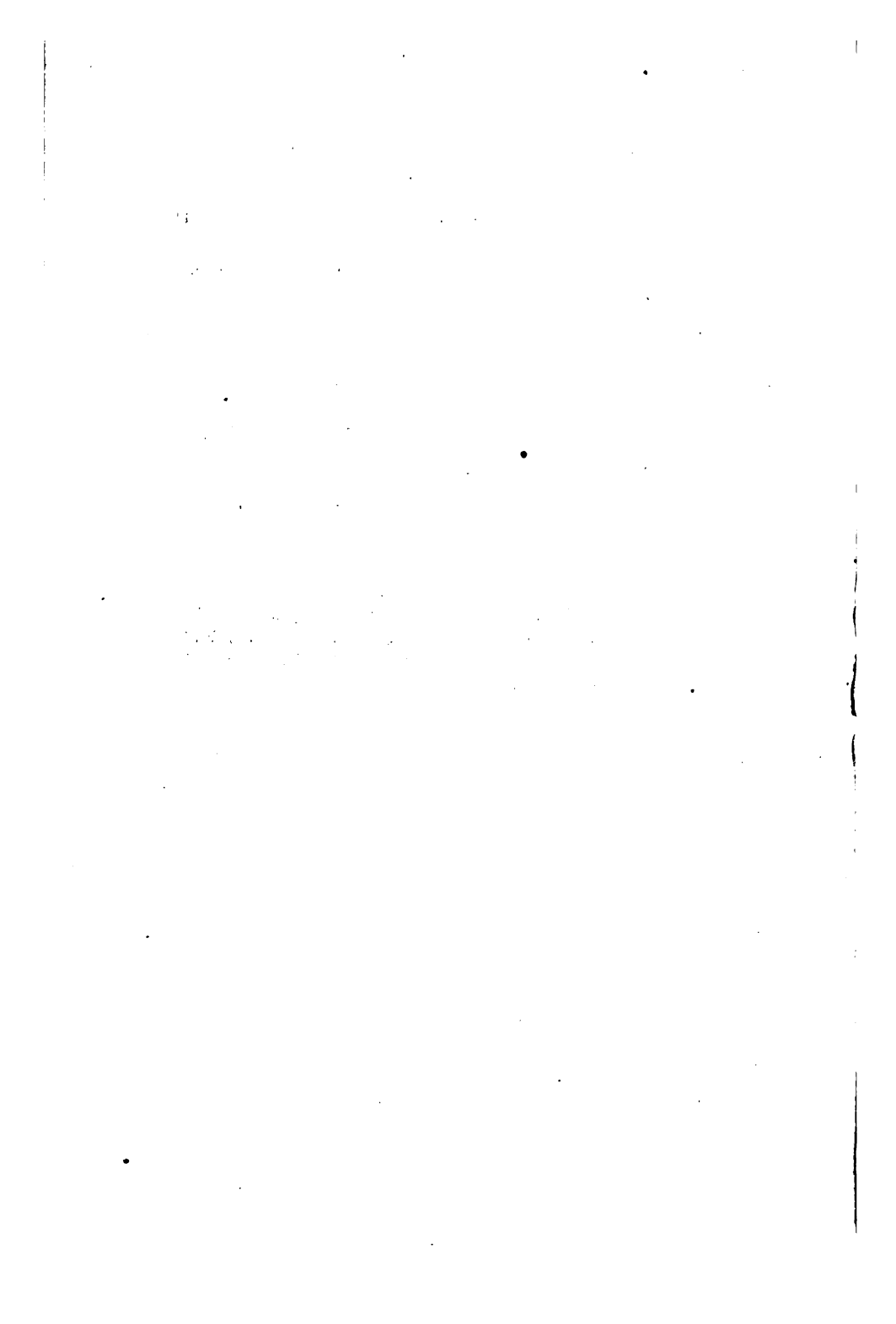
Notes on a Collection of Birds from Tsushima. By I. IJIMA.
Rigakushi Ph. D. *Rigakuhakushi* (*Plates XII.*)

On the Formation of the Germinal Layers in Petromyzon,
By S. HATTA. Zoological Laboratory, Science College (*Plates*
XIII-XIV.)

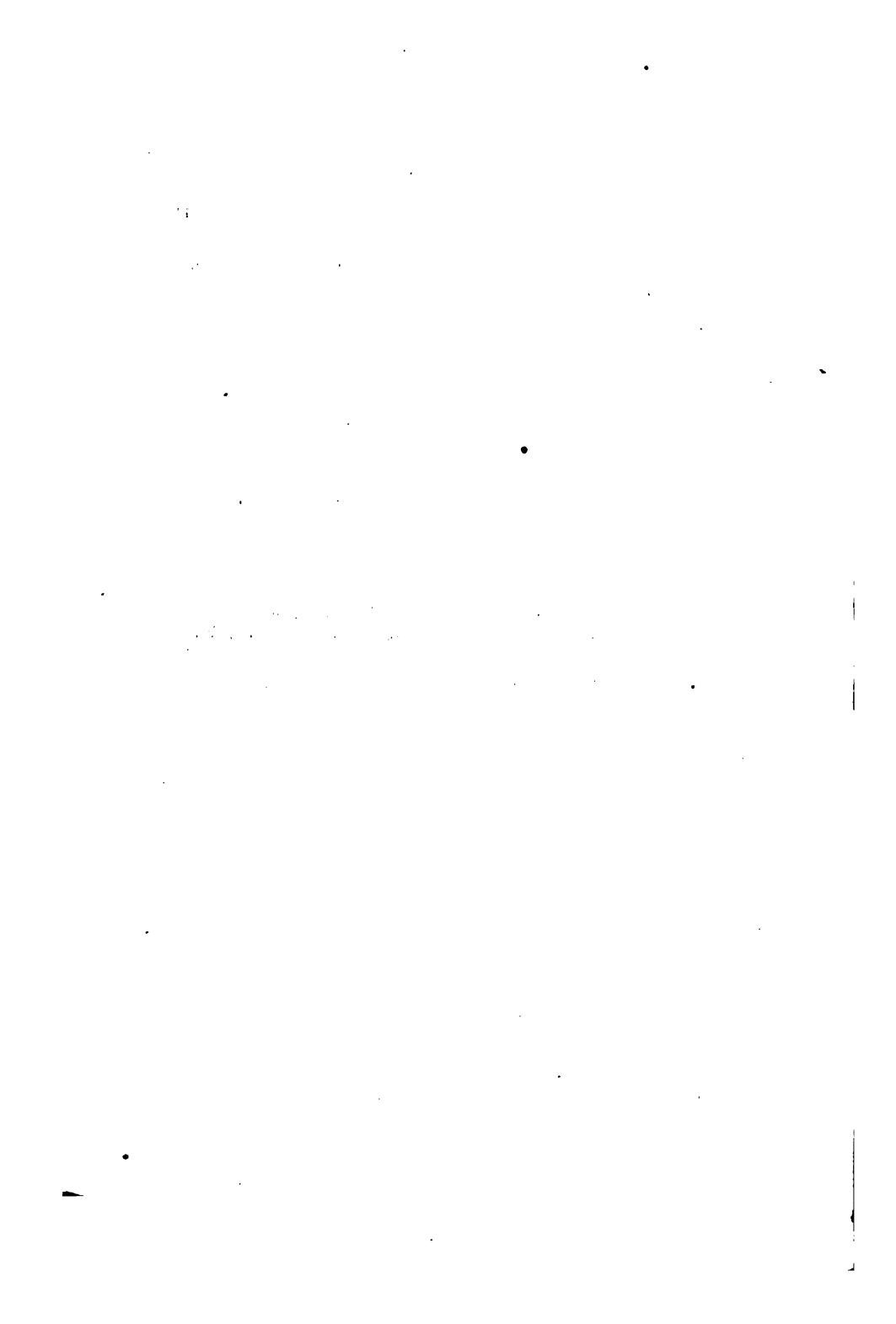
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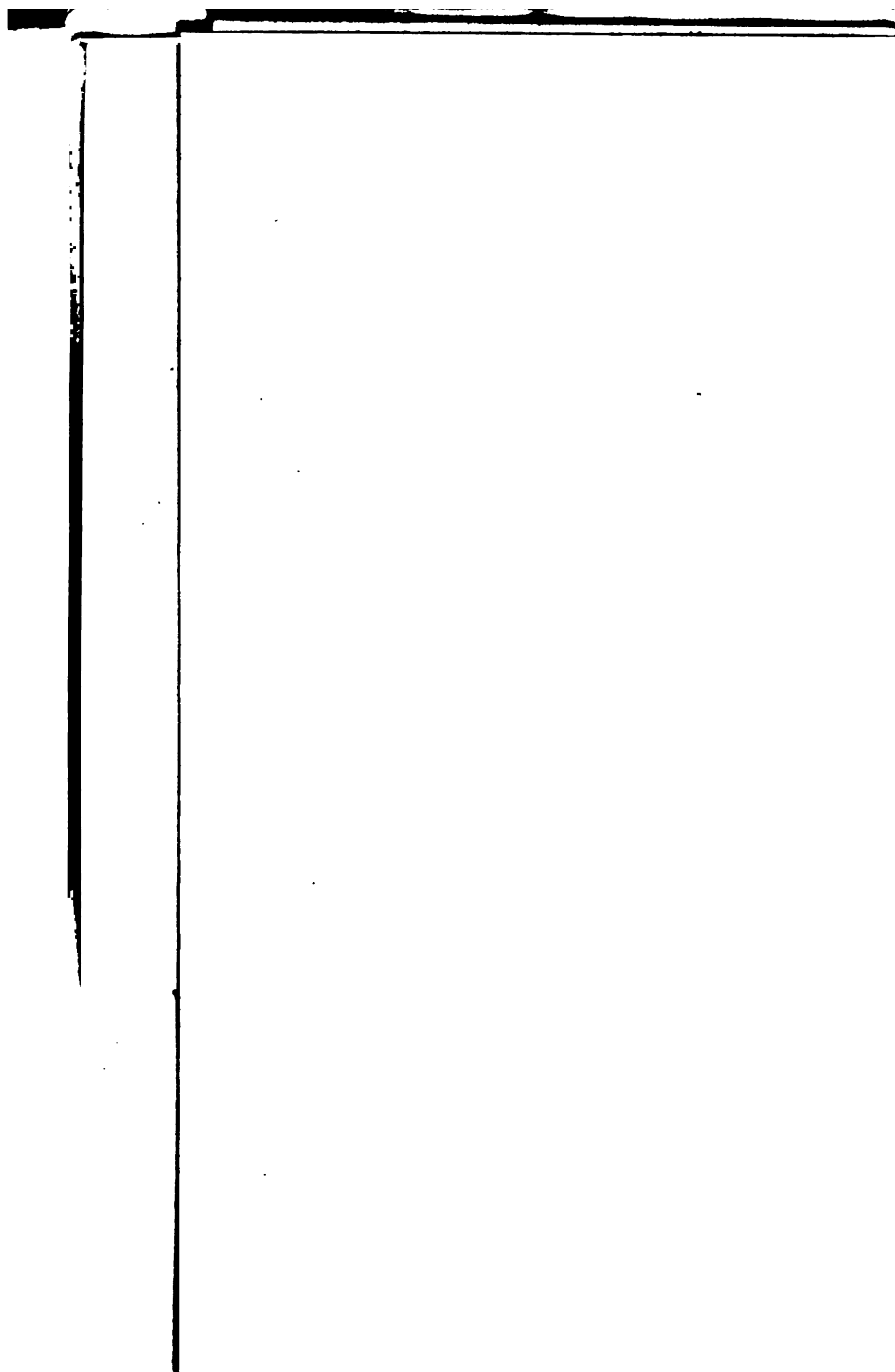
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Earthquake of 1891.** By A. TANAKADATE, *Rigakuhakushi*, F.
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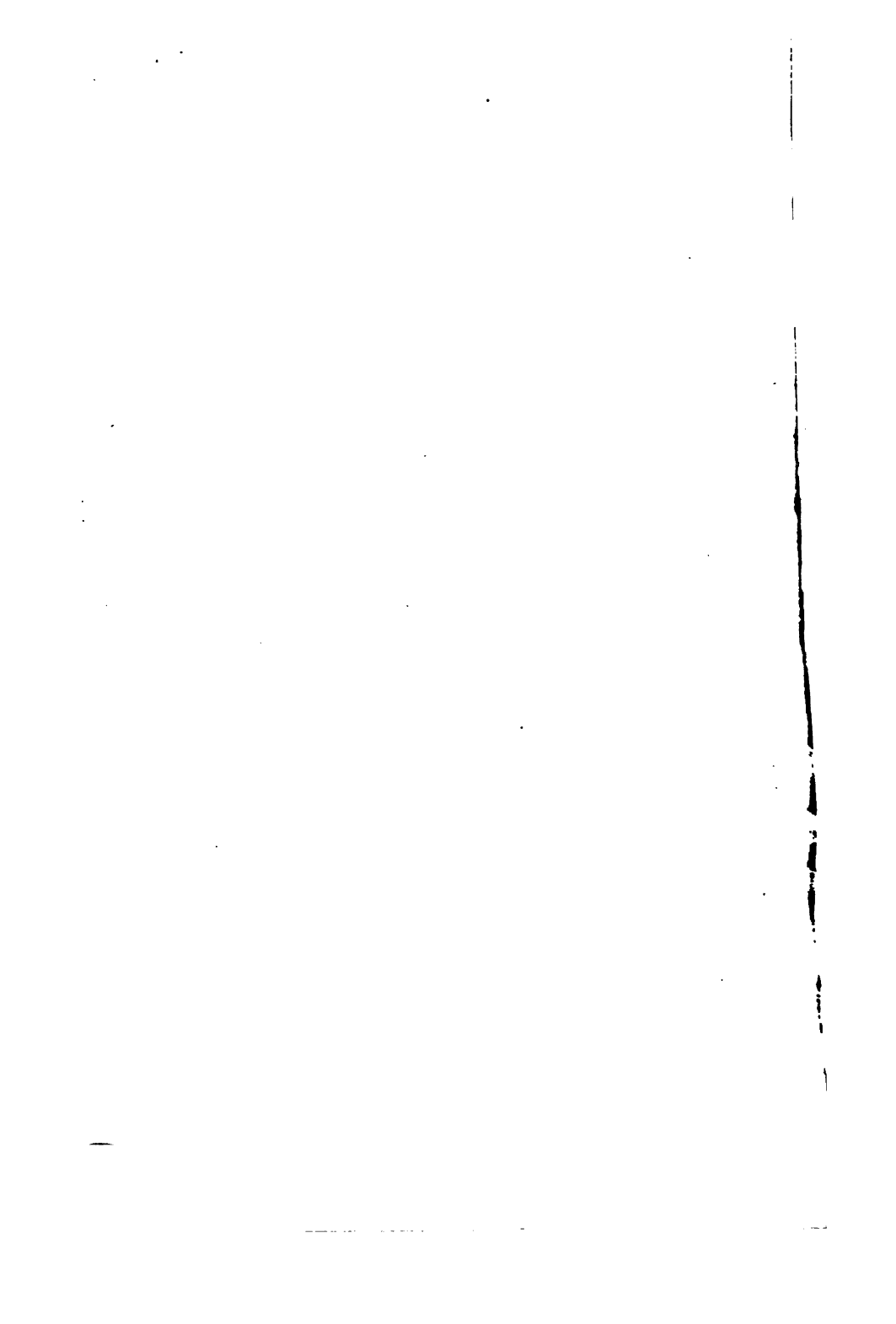
Optical Note. By K. TAKIZAWA.











ERRATA.

Page 34 line 16 For "Kogakuhakashi" read "Kogakuhakushi."

" 39	" 1	"	"tho"	"	"the."
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" 55	" 17	"	"sbudent"	"	"student."
" 64	" 13	"	"Bungakuhakushi"	"	"Hogakuhakushi."
" 73	" 6	"	"Gentakku"	"	"Gentatsu."
" 104	" 19	"	"Tokuno"	"	"Tatsuno."
" 128	" 15	"	"Hindoo"	"	"Hindu."

Page 14 Line 27 Insert after "with" "such."

" 67	" 5	For "organination"	read "organization."
" 89	" 21	"circumstance"	"circumstance."
" 97	" 5	"in"	"is."
" 120	" 11	"Japanese"	"Japanese."
" 126	" 26	"hinese"	"Chinese."
" 132	" 19	"Philossphy"	"Philosophy."
" 145	" 27	"serveys"	"surveys."
" 164	" 16	"Entonology"	"Entomology."
" 172	" 2	"and"	"and."
" 179	" 24	"Professor"	"Professors."
" 186	" 7	"873"	"878."
" 192	" 4	"no"	"on."
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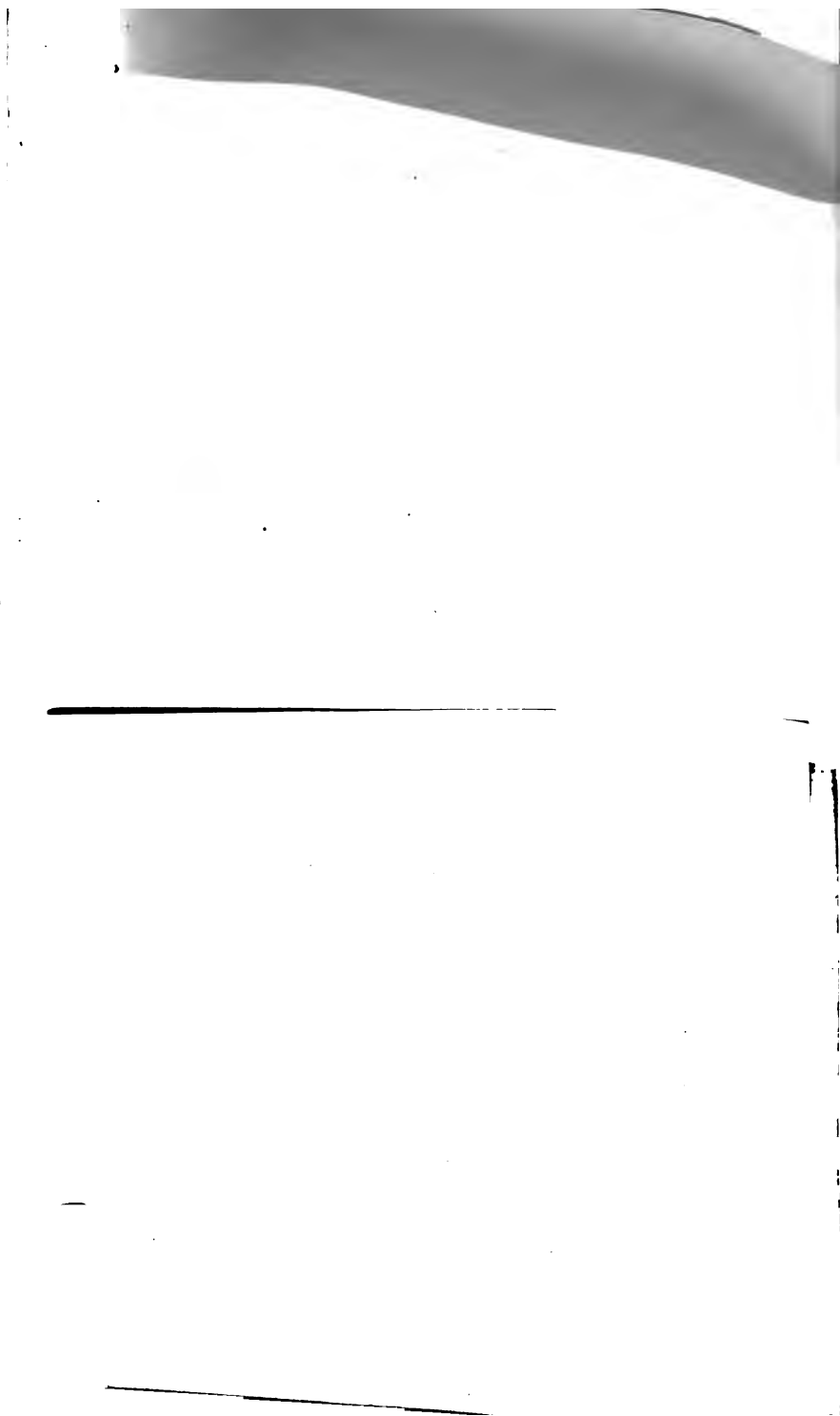
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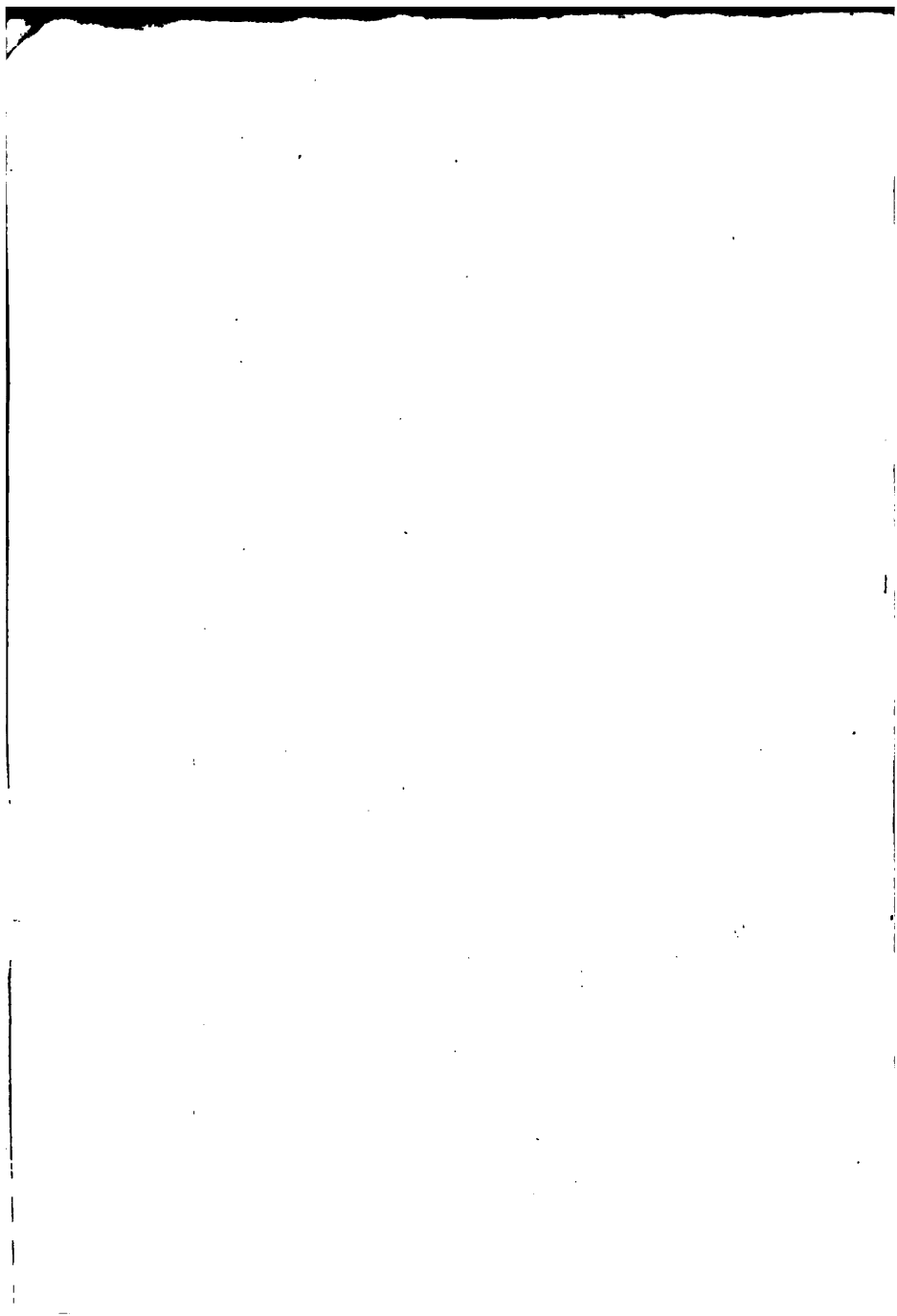
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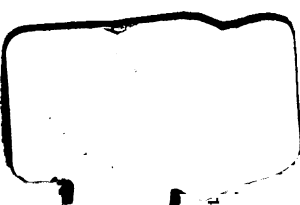
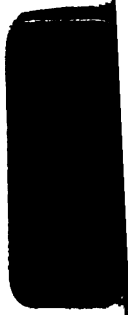




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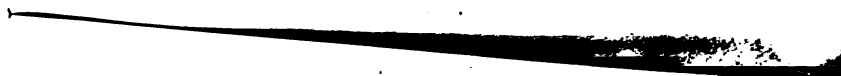
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